

# Radical Views...

from the Department of Radiology

Volume 8, Number 1  
**JULY 2015**



Beth Israel Deaconess  
Medical Center



HARVARD MEDICAL SCHOOL  
TEACHING HOSPITAL



**FROM THE CHIEF**  
Jonathan B. Kruskal, MD PhD

## Of note ...

In addition to welcoming our new trainees, please welcome 2 new faculty members who were fellows last year: **Seth Berkowitz, MD** and **Yu-Ming Chang, MD PhD**, as well as new faculty **Andrew Singer, MD** who joins our Community Radiology Section (see pg. 13).

We also welcome **Lynne Mills**, Program Coordinator replacing Scot Morrison (see pg. 10).

### Welcome to Academic Year 2015

As we have come to enjoy, it's July 1 and "The old order changeth yielding place to new" (*Alfred, Lord Tennyson*) with an influx of a great new group of trainees and faculty members. Always sad to see our graduates fledge, we look forward to following their careers with great interest and hope that they will all keep in touch and remain part of our ever growing family. The nest is expanding and will always be here for all of you! This year we again welcome a talented team of residents who will add to our diverse tapestry of skills and interests. Welcome, we are thrilled that you all chose to come here, and we are all excited to work with you and to be your teachers, colleagues, advisors and even advisees! For our first years, we hope that the next four years of your lives will be exciting and fulfilling and impactful. You are now part of our team, and we are all here to do what's best for our patients. Good luck, and have fun.



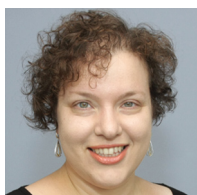
In anticipation of the further expansion of our Interventional Services across all of our sites, coupled with growing regulatory and quality requirements for procedure services, I am pleased to announce that **Muneeb Ahmed, MD**, has been appointed as **Vice Chair for Interventional Services**. Muneeb served as a

BIDMC Research Fellow in cancer radiology under Nahum Goldberg, then as a Resident before completing a fellowship in IR at Johns Hopkins School of Medicine. He returned to BIDMC in 2009 and became Director of the Interventional Radiology Section as well Director of Interventional Services in 2014. As Vice Chair for Interventional Services, Muneeb will oversee standardization, compliance, quality, as well as safety and operations for all our interventional services at all sites.

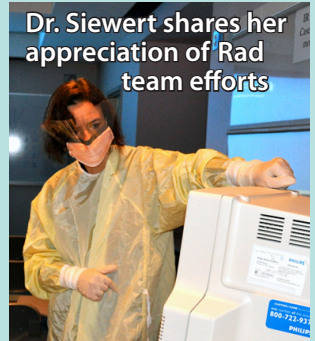


On June 30, Drs. Debbie Levine and Bob Kane stepped back as our Ultrasound co-directors, and **Maryellen Sun, MD** was appointed **Director of Ultrasound Services**. Maryellen brings a wealth of skills and enthusiasm to this new role which I am thrilled that she has accepted. (Note that under Maryellen, Debbie Levine will still serve as the

Director of OB/Gyn Ultrasound.) Maryellen began at BIDMC as a resident and completed fellowship training in abdominal imaging and MRI where she also served as Chief Fellow before joining our staff in 2008. In 2012 she was appointed Director of Genitourinary Imaging and in 2014 she became an invited consultant to Gastroenterology to develop the contrast enhanced endoscopic ultrasound (CEUS) program.



I am also excited to appoint **Olga Brook, MD** as **Associate Director of CT Services**. Olga's work focuses on performance improvement and safety in CT and interventional radiology, and she will bring her great energy and operations focus to our CT services. Prior to joining our department as an interventionalist



**Dr. Siewert shares her appreciation of Rad team efforts**

Just wanted to let you know that this weekend, I worked with one of the best teams anybody could hope for. Thanks to this outstanding, dedicated group of people we were able to provide excellent patient care for a large number of patients without compromising quality and could give each patient the attention they needed.

We performed 6 procedures on Saturday (and 4 on Sunday), and everybody stayed until 9:30 PM on Saturday night after their official shift was long over, so that we could drain a young patient who really needed to be done that night. Everybody's dedication and enthusiasm was inspirational for me and reminded me that this is why we all went into the medical field to begin with.

A special thank you goes to **Diana Daley, Pam Roberge, Jason Chagnon and Sejal Shah**: Diana, Jason and Pam made the CT procedures run extremely smoothly and Sejal kindly read studies from Harrington for me, as I was also covering the community.

It is an honor to work with such wonderful colleagues.

- **Bettina Siewert, MD**  
Chief, Abdominal Imaging



**FROM THE CHIEF**  
Jonathan B. Kruskal, MD PhD

As usual, please start the new year off with the *BIDMC Department of Radiology Code of Conduct* (see pg. 3).

and abdominal imager in 2013, Olga completed four fellowships here in Abdominal Imaging, Body MRI, Interventional Radiology and Ultrasound/ Women's Imaging and was Chief Fellow in her last year of training. Since 2012, she has served on the Quality Improvement Committee at RSNA and the Quality Initiatives panel of RadioGraphics so our expectations for her success are high!

Please join me in congratulating Muneeb, Maryellen and Olga on these well-deserved appointments.

I am also pleased to announce the promotion of interventionalist **Dr. Ammar Sarwar** to Assistant Professor of Radiology at HMS. Ammar graduated from our residency and VIR fellowship programs and joined our staff in 2014.



I offer my profound thanks and best wishes to **Dr. Per Eldh** who decided to retire in June, 2015. Per came to Beth Israel Hospital in 1974 (as part of the Swedish wave begun by Sven Paulin, then Radiologist-in-Chief at Beth Israel Hospital) and rose to Radiologist-in-Chief at the Deaconess Glover Hospital, Needham (1976-2001). Since then he has

served in our Community Radiology section at BID-Needham.

As this is the start of the new academic year, I also want to update everyone on our Community Services Network. BIDMC/HMFP community radiology, headed by Peter Gordon, encompasses the bricks and mortar sites not on Brookline Avenue. These include:

- BID-Needham
- Harrington HealthCare system which includes Harrington Hospital, Harrington HealthCare at Webster and services to other community locations
- BID HealthCare at Chestnut Hill Square
- BID HealthCare at Lexington
- BID HealthCare at Chelsea
- 1101 Beacon Street
- Mobile Ultrasound (at Needham, Milton ,South Cove Community Health Center)
- Hebrew Senior Life
- Outer Cape Health Services
- Fenway Community Health

The current model is that general radiologists with interventional skill and Breast Imaging specialists are on site at Harrington, Webster and Needham. Subspecialty interpretations in MSK and Neuro-radiology for these sites are provided remotely at the Medical Center. The Emergency Radiology team covers much of the afterhours work. More advanced IR procedures are available on call. Breast Imagers are also on site at 1101 and Lexington for diagnostic mammography and procedures. The mobile ultrasound cases, mostly ob/gyn, are interpreted by the in-house ultrasound team. Although some of the general work is provided by dedicated community radiologists, many subspecialists participate in the program.

BIDMC continues to add collaborations with community hospitals, physicians and community-based practices to provide health quality care close to home, and access to specialty care at the medical center when appropriate. The goal of community radiology is to provide academic level interpretation with high touch accessibility and service to the patients and referring physicians in the broader BIDMC and HMFP network. Currently about a third of the radiologists' work RVUs are attributable to community activity.



Ammar Sarwar and family at this year's Fleischner Graduation at the Harvard Club



Peter H. Gordon, MD  
Vice Chair, Community Network Services



## 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 Calendar JULY 2015

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	Friday Grand Rounds: 12 noon Sherman Auditorium, East Campus (unless stated otherwise)
		1	2	3
6 7:30 - 8:15 CT and MR Enterography (Martin Smith) 8:15 - 9:00 MRI basics - sequences, contrast, NSF (Jesse Wei)	7 7:30 - 9:00 Acute Abdomen (Bettina Siewert)	8 7:30 - 8:15 US-guided interventions (Colin Mcardle) 8:15 - 9:00 Lower GI cases (Ronald Eisenberg) 7:15-8:00 US meeting [WCC-304A]	9 7:30 - 8:15 MRI of the Liver (Koenraad Mortelet) 8:15 - 9:00 Spectral and dual energy CT in clinical practice (Olga Brook)	10 7:30 - 8:00 Town hall (Chiefs)
13 7:30 - 9:00 Introduction to ACR/MRS (Lauren Ferrara) 12:00-1:00 MRI Meeting [Ansin 2]	14 7:30 - 9:00 Neuro (Salil Soman) 10:30-11:30 NMMI meeting [GZ-103]	15	16 7:30 - 9:00 Speech and swallow introduction (Amanda Warren)	17
20 7:30 - 9:00 MSK (TBD)	21 7:30 - 9:00 MSK (TBD) 8:00-9:00 IR Meeting [West Recovery]	22 7:30 - 9:00 MSK (TBD)	23 7:30 - 9:00 MSK (TBD)	24
27 7:30 - 9:00 Aorta I & II (Diana Litmanovich)	28 7:30 - 9:00 ICU I & II (Paul Spirm) 10:30-11:30 NMMI meeting [GZ-103]	29	30 7:30 - 9:00 TBA (Janneth Romero)	31



22<sup>nd</sup> Annual *Risa & Felix*  
**Fleischner**  
*Lecture presented by*  
**James A. Brink, MD**  
 Radiologist-in-Chief,  
 Massachusetts General Hospital  
 Friday, June 19th, 2015



Far left: Dr. Brink presenting the 22<sup>nd</sup> Annual Fleischner Lecture at the Sherman Auditorium.

Above L to R: Drs. Siewert, Eisenberg, Slanetz, Brink and Kruskal. On June 18th, we were also lucky to have Dr. Brink join us for our Fleischner Graduation Dinner at the Harvard Club as (Left) advancing first year residents Catherine Wei's husband, **Catherine Wei**, **Anthony Esparaz** and wife, **Daon Ha**, Mrs. Thomas Anderson and **Thomas Anderson** enjoy their first Fleischner event.



**Congratulations:**



**Fleischner Award**



**RSNA Roentgen Award**

*RSNA Roentgen Research Award to Nuclear Imaging Research Fellow **Elisa Franquet, MD***

*(Above) Risa & Felix Fleischner Young Investigator Award to Breast Imaging Fellow **Tamuna Chadashvali, MD, PhD** for Outstanding Research Performed as a Graduate Student in BIDMC Radiology*

*Fellow of the Year Award to Abdominal Imaging Fellow **Thomas Keimig, MD***

*Ferris Hall Faculty Award for Excellence in Teaching to **Leo Tsai, MD, PhD, MSc** in Recognition of Dedicated and Inspirational Teaching of Residents 2015*

*Andrew F. Berezin Award for Excellence in Clinical Mentoring of Fellow Residents to graduating resident **Javier Perez-Rodriguez, MD***

*Norman Joffe, MD Award to **Alexander A. Bankier, MD, PhD** in Recognition of the Faculty Member Who Best Exemplifies the Spirit & All Around Talent of the General Radiologist*

*Award for Quality & Performance Improvement to VIR Fellow **Seth J. Berkowitz, MD** and graduating resident **Mark J. Masciocchi, MD** in Recognition of Dedicated and Effective Efforts Supporting Performance Improvement, Quality & Safety in the Department of Radiology*

*BIDMC Radiology Humanism Award to graduating resident **Edward Ahn, MD** for Best Demonstrating the Ideals of Compassionate & Respectful Care for the Physical & Emotional Well Being of Patients*

*(Right): Section of the Year Award to **Vascular & Interventional Radiology** in Recognition of the Section that has made an Exemplary Commitment to Radiology Resident Education*



*2015 Resident Award for Excellence in Teaching Medical Students:*

**Matthew Miller, MD, PhD** (3rd yr resident)  
**Anthony Esparaz, MD** (1st yr resident)

*2015 Faculty Award for Excellence in Teaching Medical Students:*

**Gillian Lieberman, MD**  
**Colin McArdle, MD**  
**Paul Spirn, MD**



**VIR: Section of the Year**



# 2015 Graduating Residents



(L to R) *Residency Program Director Priscilla Slanetz and the Class of 2015 and where they are going from BIDMC:* **Patrick Redmond, MD** - MSK Fellow at BIDMC; **Michael Acord, MD** - 2-yr Pediatric Diagnostic and Interventional Radiology Fellow at Children's Hospital, Philadelphia; **Kate Troy, MD** - Body MRI fellow at BIDMC; **Javier Perez-Rodriguez, MD** - VIR Fellow at BIDMC; **Annie Leylek, MD** - Breast Imaging Fellow at BIDMC; **Mark Masciocchi, MD** - MRI Fellow at UMASS Memorial Medical Center; **Rashmi Jayadevan Mehta, MD** - Pediatrics Fellow at Children's Hospital, Boston; **Sahil Mehta, MD** - IR Fellow at MGH, Boston; **Edward Ahn, MD** - VIR Fellow at BIDMC.

## 2015 Graduating Research Fellows

*In the following pages, the new positions of the graduating trainees are listed in parentheses after each name.*



At this year's Fleischner event, **Gopal Varma, PHD** (above right) celebrated his belated June 2014 MRI Research fellowship graduation and his appointment as an MRI Research staff member at BIDMC that same year.



Minimally-invasive Tumor Therapy Lab Research Fellow **Erik M. Velez, BS** with research mentor/IR Chief, Muneeb Ahmed. Erik returns to the University of California, San Francisco to complete his MD.



# 2015 Graduating Clinical Fellows

## Abd Imaging Fellows



Abd Imaging Chief **Bettina Siewert** and the graduating Abdominal Imaging Fellows (*L to R*): **Thomas Keimig, MD** (Chest Fellow at MGH and Faculty, Henry Ford Hospital, Detroit, MI); **Amogh Srivastava, MD** (Faculty at Metrowest, Framingham, MS); **Monica Agarwal, MD** (Breast Imaging Fellow at BIDMC); **Nathaniel Temin, MD** (Faculty, South Shore Hospital, South Weymouth, MA); **Jeremy O'Brien, MD** (Faculty, St. Mary's Hospital, McGill University, Montreal, Quebec). *Inset: Corinne Strickland, MD* (Private practice in Tucson, AZ).

## Body MRI Fellows

Left: MRI Chief Koenraad Mortelet with graduating fellows **Elena Resnick, MD** (Faculty at Maine Medical Center, Portland, ME) and **Nadia Caplan, MD** - with mother in the background and children (Nadia returns to practice in Israel).





## Breast Imaging Fellows



Breast Imaging staff and graduating fellows: Peter Gross, Valerie Fein-Zachary, **Tamuna Chadashvili, MD, PhD** (Faculty at Rhode Island Hospital/Brown University), Ferris Hall, Breast Imaging Chief Tejas Mehta, Jordana Phillips, and Jane Karimova. *Inset: Irene Tseng, MD* (Faculty at Winchester Hospital, Winchester, MA).

## MSK Fellows



Musculoskeletal Imaging staff and graduating MSK Fellows: Jennifer Ní Mhuircheartaigh, Colm McMahon, Jim Wu, **Micah Cohen, MD** (Faculty at Einstein Medical Center, Philadelphia) and son and wife, and MSK Chief Mary Hochman. *Inset: David Glazier, MD* (Commonwealth Radiology Associates/BWH North Shore Medical Center, Salem, MA).



## Neuroradiology Fellows



(L to R) Neuroradiology Fellowship Program Director Rafeeqe Bhadelia and graduating Neuro Fellows: **Cameron Cummings, MD** (Private practice in Wisconsin); **Kimberly Smith, MD** (ER Fellow at MGH); and **Cynthia Wallentin, MD** (Private Practice in Rhode Island). Far right: Neuroradiologist Rafael Rojas. Inset: **Yu-Ming Chang, MD, PhD** (Neuro Faculty at BIDMC).

## VIR Fellows



Graduating Vascular & Interventional Fellows: **Seth Berkowitz, MD** (IR Faculty at BIDMC); **Raphael Yoo, MD, MS** (Pediatric IR Fellow, Children's Hospital Boston); **Almamoon Justaniah, MD** (Abd Imaging Fellow at BIDMC); and **Pauline Bishop, MD** (Faculty, Monadnock Community Hospital, Peterborough, NH).

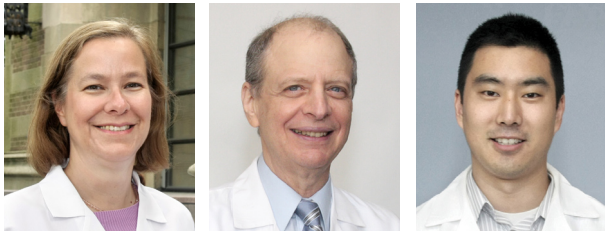
## Cardiothoracic Fellow



Cardiothoracic Imaging Fellowship Director Diana Litmanovich and graduating fellow **Karen Song, MD** (Faculty at Johns Hopkins, Baltimore)



## DEPARTMENTAL NEWS: Welcome New Radiology Residents



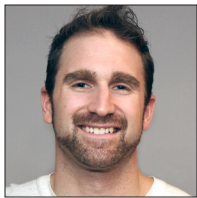
Priscilla J. Slanetz, MD, MPH, Director, and Ronald Eisenberg, MD JD, and Justin Kung, MD, Associate Directors, Radiology Residency Program

With the new academic year kicking into full gear on July 2, we would like to introduce our new Program Coordinator, incoming first year residents and clinical and research fellows. We are excited to welcome them to our department, confident in their ability to bond into our Radiology family.



Welcome **Lynne Mills**, our new Program Coordinator of the Diagnostic Radiology Residency Program. 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 will make 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](mailto:lmills1@bidmc.harvard.edu) or x7-3552.

### 1<sup>st</sup> Year Residents (PGY-2)



**Joseph (Joe) Bravoco, MD** - earned his MD at Tufts University and a BA in Biology and Latin (*summa cum laude*) at Boston University. Outside of medicine, his interests lie in sailing, chess and Italian culture (he is even fluent in Italian!).



**Alexei Kudla, MD** - graduated *cum laude* from Georgetown University. He has served as a naval flight surgeon on Carrier Air Wing NINE and was deployed on the U.S.S. John C. Stennis aircraft carrier since March 2013. His interests outside of medicine include Russian literature, hiking and coaching youth sports.



**Sarah Esaa, MD** - earned her MD and a BA in English Literature (*summa cum laude*) at Columbia University, New York, NY. Her interests outside of medicine include watercolor painting, classical piano, skiing and German-style board games.



**Bonny Lee, MD, MS** - graduated from Eastern Virginia Medical School and holds an MBS from Tufts University. Outside of medicine, she enjoys science fiction novels, traveling, scrap-booking, and Broadway musicals.



**Maureen Frederick, MD** - earned her MD at Georgetown University and a BA in Mathematics with a minor in Spanish at Hamilton College, Clinton, NY. A marathon runner and triathlete, she manages to stay active outside of work by running, skiing and playing tennis.



**Michael Luo, MD** - graduated from Northwestern University, Feinberg School of Medicine and has a passion for economics and financial markets, earning a bachelor's in finance at Emory University, Atlanta. He's also an avid tennis player and enjoys fantasy sports.



**Michael (Mike) T. Johnson, MD** - graduated from Michigan State University College of Human Sciences and BS degrees in Physiology, Psychology, and Human Biology. In his spare time, he enjoys break-dancing, long-distance running and traveling.



**Christopher Maxwell, MD** - earned his MD and a BS in Mathematics at Tufts University. Outside of medicine, his interests include computer programming, guitar, baseball, basketball, running, snowboarding, choreography, and travel.



**Geunwon Kim, MD, PhD** - earned her MD/PhD from Boston University and a BA in Biology and Society (with a minor in Health and Public Policy) at Cornell University. Outside of medicine, she is passionate about traveling and visiting new countries, as well as horseback riding.



**Farhana Sharmeen, MD** - earned her MD at Boston University and a BA in Psychology (*magna cum laude*) at Harvard University. Her interests outside of medicine include traveling, cooking, badminton and watching foreign films. Her language skills include Bengali, Spanish, Hindi, Urdu and Latin.

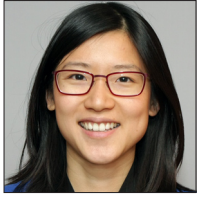


**2<sup>nd</sup> Year Resident** - We bid farewell to **Powen Tu** who transferred to Stanford University's Nuclear Medicine Program & welcome:

**Suma Kannabiran, MD** - who has transferred from the University of Vermont Medical Center, where she completed her first year of residency training. Suma is a graduate of Georgetown University School of Medicine and holds a BA in Neuroscience (*magna cum laude*) from Amherst College, MA. She began her training in Physical Medicine and Rehabilitation before she discovered a passion for Radiology. Outside of medicine, she practices Bharatanatyam (a South Indian classical dance), transcendental meditation and Vipasana meditation.



## Abdominal Imaging



**Christina Chingkoe, MD** – earned her MD at the University of British Columbia (UBC), Toronto and a bachelor's in Pharmacology at UBC, Vancouver. She completed residency training at the University of Toronto, Ontario, Canada and has served as a medical volunteer in the Philippines. Her interests include travel, photography, food, hiking and scuba diving.



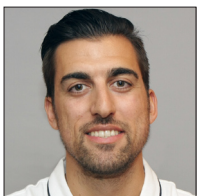
**Almamoon (Moon) Justaniah, MD** – is a graduate of Umm Al Qura University in Saudi Arabia, and he received a Masters in Bioethics from Case Western Reserve University. Having completed his VIR fellowship here in 2015, he is staying on as an Abdominal Imaging fellow. His interests outside of medicine include travel, cars and outdoor activities.



**Borko Kereshi, MD** – earned his MD at Penn State College of Medicine, Hershey, PA, and his Radiology Residency at the Medical University of South Carolina, Charleston. He also holds a BA in Computer Science from Dartmouth College, NH. His interests include tennis, soccer, scuba diving, surfing, travel, and computers/technology.



**Trevor Morrison, MD** – earned his MD at New York Medical College in Valhalla and a BS in Biology (*cum laude*) at Florida State University in Tallahassee. He completed his residency at Boston Medical Center, serving as Chief Resident (2014-2015). His main hobbies are golf, weight-lifting, the Red Sox and the Patriots.



**Michele (Mike) Perillo, MD** – earned his MD at McGill University and completed residency training at McGill University Health Centre; he holds an undergraduate degree in Health Sciences from Marianopolis College also in Montreal. In 2014, he published a case report on the horseshoe adrenal gland with BIDMC MR Director Koenraad Mortelet and is proficient in French and Italian.



**Summit Sawhney, MD** – earned his MD and BSc at the University of Alberta and completed his residency at the University of Calgary, Canada. He served as Chief Resident 2013-2014 and holds several awards for his volunteer efforts in Edmonton and around the globe including fundraising and traveling to India to teach orphaned children English and Mathematics.

## Breast Imaging



*Chief Fellow*

**Monica Agarwal, MD** – completed residency training at BIDMC in 2014 and stayed on to complete an Abdominal Imaging fellowship. This year, she pursues a Breast Imaging fellowship. A graduate of Boston University School of Medicine, she enjoys traveling, photography, dancing and scuba diving outside of work.



*Chief Fellow*

**Ann Leylek, MD** – holds an MD *with distinction* from the Medical University of South Carolina, Charleston. As a resident at BIDMC, Annie co-founded the Radiology Leadership Academy for trainees to introduce lifelong skills and fill professional gaps. Outside of medicine, she enjoys walking her dog, travel and cooking.

## Body MRI



**Kristy Lee, MD** – earned her MD (and completed residency training) at the University of British Columbia, Vancouver and holds a BSc (with distinction) in Kinesiology from the University of Victoria, British Columbia. She has served as an athletic trainer/therapist as well as a pet therapist and enjoys walking her dog, travel and gastronomy.



**Katherine (Kate) Troy, MD** – earned her MD from the Medical College of Wisconsin in Milwaukee and came to BIDMC as a resident in 2011 where she served as a Chief Resident in 2014. She now stays on as a fellow in Body MRI and enjoys playing tennis and golf when not working at the hospital.

## Cardiothoracic Imaging



**Dominique DaBreo, MD** - earned her MD from McMaster University's Michael G. DeGroote School of Medicine and a BSc in Medical Sciences (*making the Dean's Honours List*) at the University of Western Ontario. She completed her residency at the University of Ottawa and served as a Big Sister of London and helped rebuild an orphanage in Mexico.

Musculoskeletal Imaging



**Stephanie Coleman, MD, MPH** – earned her MD at the State University of New York Upstate Medical University in Syracuse, a Master’s in Public Health and Health Care Administration at the University of Buffalo and a BA in Biology at St. John Fisher College before completing her residency at Boston University Medical Center. Her research experience includes cardiac quality improvement projects.



**Patrick Redmond, MD** – came to BIDMC for Radiology Residency training in 2011 and now stays on to complete a fellowship in MSK. He earned his MD, *magna cum laude*, at Boston University School of Medicine.

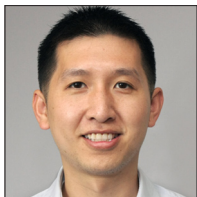
Neuroradiology



**Sanford Brown, MD** – earned his MD at Tufts University, Boston and a BSc in Neuroscience at Brown University, Providence, RI. He completed his residency at affiliated hospitals of the Alpert Medical School of Brown University and has served as a Moonlighting Radiologist at the Miriam Hospital in Providence since 2013. He was also a Boy Scout (Eagle Scout rank) and Lifeguard Captain in New Jersey.



**Fatemeh Kadivar, MD** – earned her MD and a BA in the Biological Basis of Behavior (*summa cum laude*) at the University of Pennsylvania in Philadelphia. She completed residency at Brown University’s Alpert Medical School as well as a 9-month study abroad in Biochemistry at the University of Oxford, UK.

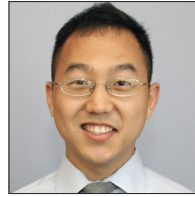


**Roger Liu, MD** – earned his MD at the University of Maryland School of Medicine, Baltimore and a BS in Neurophysiology (*magna cum laude*) at University of Maryland, College Park. He completed residency at Albert Einstein Medical Center in Philadelphia and has served as a volunteer at Lakeforest Animal Hospital. His hobbies include piano, skiing, basketball, reading, traveling, music.



**Priyanka Prakash, MD** – earned her MBBS at the All India Institute of Medical Sciences in Delhi and served as a radiology research fellow at Massachusetts General Hospital before completing her residency at the Hospital of the University of Pennsylvania in Philadelphia. Since 2012, she has volunteered for Rad-Aid, an international outreach program in India.

Vascular & Interventional Radiology



**Edward Ahn, MD** – came to BIDMC for Radiology Residency training in 2011 and now stays on to complete a fellowship in Vascular & Interventional Radiology. He earned his MD, *cum laude*, at the University of Maryland School of Medicine in Baltimore.



**Daniel H. MacArthur, MD** – earned his MD at the University of Maryland School of Medicine in Baltimore and a BSc in Chemical Engineering (*with Honors*) at Brown University, Providence, RI and he completed his residency at Tufts Medical Center, Boston. Outside of medicine, his interests include golf, gardening, ultimate frisbee, snowboarding and he is proficient in Spanish.



**Javier Perez-Rodriguez, MD** – joins four others of his 2015 graduating Radiology Residency class at BIDMC who are staying on to complete fellowships here. A graduate of Johns Hopkins School of Medicine in Baltimore, MD, Javier will stay on as a fellow in Vascular & Interventional Radiology.



**Ari Sacks, MD** – earned his MD at Boston University School of Medicine (*magna cum laude*) and a BA in Behavioral Neuroscience (*with High Honors*) at Lehigh University in Bethlehem, PA. He completed residency at Brigham & Women’s Hospital, Boston with a concentration in Abdominal Imaging and Intervention and has served as a volunteer in the Global Service Corps teaching English in Thailand and as Team Captain of the BWH intramural basketball league. This year he joins his father, BIDMC interventionalist Barry Sacks.





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## DEPARTMENTAL NEWS: *Welcome Radiology Fellows (cont'd)*

### Research Fellows

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**Patricia Coutinho de Souza, DVM, PhD – MRI**

Originally from São Paulo, Brazil, Patricia earned her DVM degree at the Federal University of Viçosa, Minas Gerais, Brazil and completed a residency in Veterinary Pathology at the Federal University of Belo Horizonte, also in Minas Gerais, before going to São Paulo State University to earn a Master's degree in Experimental and Comparative Pathology. She completed a residency in Anatomic Veterinary Pathology/ PhD Combined Program at Oklahoma State University in Stillwater, OK, in 2015. Her research interests focus on developing new ways to diagnose and predict the outcome of cancers in animal models, using advanced MRI. In her spare time, Patricia enjoys anything outdoors, traveling, movies, and spending time with her friends.

coming on  
7/6/15

**Johannes Boos, MD - CT Research**

Dr. Boos earned his MD from Westfälische Wilhelms University, Münster, Germany which included a magna cum laude for his research doctorate, *Does pertussis toxin induce blood-brain barrier permeability: 3T MRI in a mouse model*, and comes to BIDMC following 3 years of Radiology residency training at the University Hospital, Düsseldorf, Germany. His research interests include CT-dose optimization (dose monitoring, dose reduction techniques) Modern CT techniques (Metal artifact reduction, Dual source CT).

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## DEPARTMENTAL NEWS: *Welcome New Radiology Faculty*



**Seth J. Berkowitz, MD**

Staff Radiologist, Vascular & Interventional Radiology  
Instructor in Radiology, HMS

Dr. Berkowitz earned his MD at Johns Hopkins University School of Medicine, Baltimore, MD and completed his

residency in Diagnostic Radiology and fellowship in Vascular & Interventional Radiology at BIDMC. Throughout his residency, he developed several radiology-specific iPad applications, which are being used to help educate both his peers and patients.

Contact: sberkowi@bidmc.harvard.edu



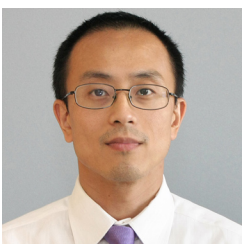
**Andrew M. Singer, MD**

Staff Radiologist, Community Radiology  
Instructor in Radiology, HMS

Dr. Singer earned his MD at the University of North Carolina School of Medicine, Chapel Hill, NC and a BA in Molecular Biophysics and Biochemistry at Yale

University, New Haven, CT. He completed his Radiology residency at Boston Medical Center and a fellowship in Body Imaging and Nuclear Medicine at Tufts-New England Medical Center Boston. We are happy to welcome Dr. Singer who also served as an attending radiology between 1987-1991 at what was then the Beth Israel Hospital.

Contact: asinger@bidmc.harvard.edu



**Yu-Ming Chang, MD PhD**

Staff Radiologist, Neuroradiology  
Instructor in Radiology, HMS

Dr. Chang completed a combined MD-PhD program in Medicine, Anatomy and Neurobiology at Boston University School of Medicine and stayed on

at BU, completing his residency at Boston Medical Center and fellowship in Neuroradiology at BIDMC in June 2015. Outside of medicine, he is trained in wushu and sanshou, forms of traditional Chinese kick-boxing. He is also an avid collector of 1<sup>st</sup> edition books by American authors and Chinese ethnographic authentic weapons.

Contact: ychang2@bidmc.harvard.edu



Dr. and Mrs. Singer enjoy being reunited with Dr. Debbie Levine and her husband Alex at this year's Fleischner Graduation event.





*Clinical and Teaching Faculty*



**Muneeb 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**  
Vascular & Interventional  
94339



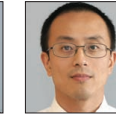
**Rafeeqe A. Bhadelia, MD**  
Clinical Director, Neuroradiology  
31875



**Phillip M. Boiselle, 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. Djalani, MD**  
Breast Imaging  
Director, Breast MRI  
32381



**Kevin J. Donohoe, MD**  
Nuclear Medicine & Molecular Imaging  
32407



**Ronald L. Eisenberg, MD**  
Cardiothoracic Imaging / MSK  
Assoc. Dir., Residency Prog.  
30801



**Salemao Faintuch, MD**  
Vascular & Interventional  
38931



**Valerie Fein-Zachary, MD**  
Breast Imaging  
32841



**Alice Fisher, MD**  
Neuroradiology / Community  
91611



**Elisa N. Flower, MD**  
Emergency / Neuroradiology  
39321



**Peter H. Gordon, MD**  
Vice Chair, Community  
Network Services  
90565



**Peter D. Gross, MD**  
Breast Imaging  
35191



**David A. Hackney, MD**  
Chief, Neuroradiology  
33505



**Ferris M. Hall, MD**  
Breast Imaging / MSK  
31614



**Mary G. Hochman, MD, MBA**  
Chief, Musculoskeletal Imaging  
33060



**Robert A. Kane, MD**  
Vice Chair, Academic Affairs /  
Director, OB/GYN Ultrasound  
7-8901



**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  
Assoc. Dir., Residency Prog  
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 McArdle, MD**  
Ultrasound  
31968



**Colm McMahon, MD**  
Musculoskeletal Imaging  
35854



**Tejas S. Mehta, MD, MPH**  
Chief, Breast Imaging  
33053



**Koernan J. Mortelet, MD**  
Chief, Abdominal Imaging /  
Director, MRI  
35930



**Jenny Ni Muircheartaigh, MD**  
Nuclear Medicine &  
Community  
94354



**J. Anthony Parker, MD, PhD**  
Nuclear Medicine &  
Molecular Imaging  
31978



**Jordana Phillips, MD**  
Breast Imaging  
99741



**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



**Janneth Y. Romero, MD**  
Thoracic Imaging / Ob/Gyn US  
91216



**Barry A. Sacks, MD**  
Vascular & Interventional  
91052



**Ammar Sarwar, MD**  
Vascular & Interventional /  
Informatics  
90857



**Luis F. Serrano, MD**  
Director, Breast Imaging  
Harrington Hospital  
34629 or (504) 481-9934



**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  
39746



**Slanetz, Priscilla J, MD, MPH**  
Breast Imaging  
Director, Residency Program  
90767



**Martin P. Smith, MD**  
Abd Imaging / MRI  
Director, Community MRI  
91218



**Solih Soman, MD, MS**  
Neuroradiology  
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



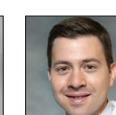
**Girish Tyagi, MD**  
Abdominal Imaging  
33538



**Shambhavi Venkataraman, MD**  
Breast Imaging  
94023



**Jesse L. Wei, MD**  
Abdominal Imaging / MRI  
Director, IT Radiology  
39014



**Jeffrey L. Weinstein, MD**  
Vascular & Interventional  
4-2523



**Jim S. Wu, MD**  
Musculoskeletal Imaging  
38932

*Research Faculty & Technical/Adjunct Staff*



**David C. Alsop, PhD**  
Vice Chair, Research  
Director, MR Research  
7-0275



**Alexander Brook, PhD**  
Statistician  
7-0273



**Deborah Burstein, PhD**  
MR Research  
7-3349



**Weiyang Dai, PhD**  
MR Research  
7-3266



**S. Nahum Goldberg, MD**  
Adjunct Faculty  
Abd Imaging Research  
(4-2674 M. Ahmed)



**Aaron K. Grant, PhD**  
MR Research  
7-3265



**Janet Baum, MD**  
Breast Imaging  
Harrington Hospital  
508-765-30792



**Mara (Barth) Kunst, MD**  
Neuroradiology  
36208



**Phoebe Lewit Olhava, MD**  
Breast Imaging  
7-3102



**Warren J. Manning, MD**  
Cardiac MR  
31144



**Georgeta Mihai, PhD**  
Physicist  
7-0175



**Matthew R. Palmer, PhD**  
Manager, Medical Imaging  
Physics  
38077



**Gopal Varma, PhD**  
MR Research  
7-0281



**Chun-Shan Yam, PhD**  
Director, Departmental  
Computing  
38076



**Da Zhang, PhD**  
Physicist  
92503



**Nagamani Peri, MD**  
Neuroradiology  
617-710-4486



**Laura Perry, MD**  
Vascular & Interventional /  
Community  
32836

*Per Diem Staff*

# Radiology Residents and Fellows 2015-2016

Beth Israel Deaconess Medical Center  
Boston, MA



## Residents (40)

### 1st Years (10)



Joseph Bravoco, MD  
93226



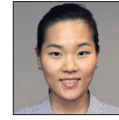
Sarah Esaa, MD  
93227



Maureen Frederick, MD  
93228



Michael T. Johnson, MD  
93229



Geunwon Kim, MD, PhD  
93230



Alexei Kudla, MD  
93231



Bonny Lee, MD, MS  
93232



Michael Luo, MD  
93233



Christopher Maxwell, MD  
93234



Farhana Sharmeen, MD  
93235

### 2nd Years (10)



Thomas Anderson, MD  
95242



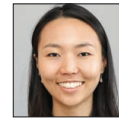
John Cavanaugh, MD MBS  
95243



Jeffrey Dines, MD  
95244



Anthony Esparaz, MD  
95245



Daon Ha, MD  
95246



Christopher Hostage, MD  
95247



Suma Kannabiran, MD  
93236



Stella Lam, MD  
95248



Jason Song, MD  
95249



Catherine Wei, MD PhD  
95251

### 3rd Years (10)



Christine Chen, MD  
37527



Andrew (Drew)  
Colucci, MD  
37528



Matthew Del Guzzo, MD  
37529



Jawad Hussain, MD, MSc  
37530



Amanda Kappler, MD  
née Trotter  
37536



Ning Lu, MD  
37531



Quang Nguyen, MD  
37532



Hannah Perry, MD, MSc  
37533



Jennifer (Jenny)  
Steinkeler, MD  
37534



Komal Talati, MD  
37535

### 4th Years (10)



Caitlin Connolly, MD  
92289  
*Chief Resident*



Lauren Ferrara, MD  
92290



David Khatami, MD, PhD  
92291



Jonathan Kim, MD  
92292



Pritesh Mehta, MD  
92293



Matthew Miller, MD, PhD  
92294



Amanda (Diamanto)  
Rigas, MD  
92295  
*Chief Resident*



Neda Sedora-Roman, MD  
92296



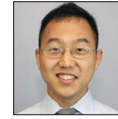
Yuri Shif, MD  
92297



George (Chip) Watts, MD  
92298  
*Chief Resident*



Monica Agarwal, MD  
Breast Imaging  
90900  
*Chief Fellow*



Edward Ahn, MD  
VIR  
93719



Sanford Brown, MD  
93237



Christina Chingko, MD  
Abd  
93238



Stephanie Coleman, MD, MPH  
MSK  
93268



Dominique DaBree, MD  
Cardiothoracic  
93269



Almamoon (Moon)  
Justaniah, MD  
Abd  
95256



Fatemeh Kadivar, MD  
Neuro  
93270



Borko Kereshi, MD  
Abd  
93271



Kristy Lee, MD  
Body MRI  
93273



Ann Lylek, MD  
Breast Imaging  
93722  
*Chief Fellow*



Roger Liu, MD  
Neuro  
93274



Daniel MacArthur, MD  
VIR  
93275



Trevor Morrison, MD  
Abd  
93276



Javier Perez-Rodriguez, MD  
VIR  
93725



Michele (Mike) Perillo, MD  
Abd  
93277



Priyanka Prakash, MD  
Neuro  
93279



Patrick Redmond, MD  
MSK  
née Trotter  
93727



Ari Sacks, MD  
VIR  
93281



Summit Sawhney, MD  
Abd  
93282



Katherine (Kate) Troy, MD  
Body MRI  
34767

**Clinical Fellows by Section:**  
Abd Imaging (6) - Chingko, Justaniah, Kereshi, Morrison, Perillo, Sawhney  
Body MRI - Lee, Troy  
Breast Imaging - Agarwal, Lylek  
Cardiothoracic Imaging - DaBree  
MSK - Coleman, Redmond  
Neuroradiology (4) - Brown, Kadivar, Liu, Prakash  
VIR (4) - Ahn, MacArthur, Perez-Rodriguez, Sacks

## Research Fellows (7)



Johannes Boos, MD  
CT Research  
7-2099



Patricia Coutinho de  
Souza, DVM, PhD  
MRI Research  
7-0279



Osasere Ebuomwan  
(E-Wo-Wan)  
MRI Research  
7-0297



Elisa Franquet, MD  
NMMI  
7-2099



Benedikt Heidinger MD  
Cardiothoracic Imaging  
7-3141



Guarav Kumar, PhD  
Minimally Invasive  
Tumor Therapy Lab  
(857) 204-2573



Li Zhao, PhD  
MRI Research  
7-0280

\*Chief Residents: July 2015-June 2016



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

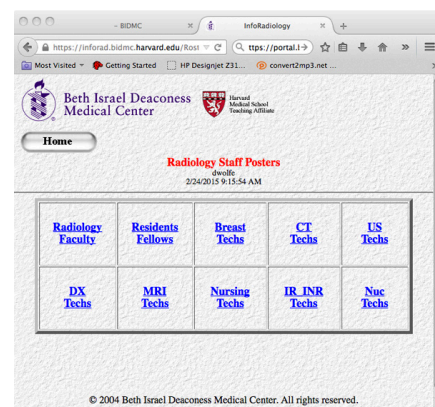
Log in to the portal: <https://portal.bidmc.org/>

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 the **Staff Posters Tab** to view/download/print the most current Tech Rosters, etc.

*Managers: please contact Michael Larson ([mlarson1@bidmc.harvard.edu](mailto:mlarson1@bidmc.harvard.edu)) to update rosters as needed*

*2015-2016 Staff & Resident/Fellow posters will be available later in July 2015*



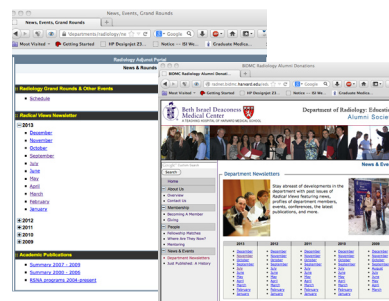
*In case you missed an issue! All back issues of Radical Views are available on the portal under "News and Events":*

*<https://apps.bidmc.org/departments/radiology/news/news.asp>*

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

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

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



## DEPARTMENTAL NEWS: *Radiology Highlights excerpted from* BIDMC TODAY

### Educators Honored at 2015 Teaching Awards

*Editor's Note: This is the first in a series of stories about events from Medical Education Week at BIDMC.*

"Teaching is part of the work that takes place at BIDMC 365 days a year," said Richard Schwartzstein, MD, Vice President of Education, in his opening address at the 2015 Teaching Awards. "It fosters other missions of the medical center by training our staff to provide the best, most humane care possible."

The ceremony on June 1 featured Harvard Medical School (HMS), Shapiro Institute Center for Education and BIDMC departmental awards, many of which were voted on by Harvard medical students. Other awards will be presented during ceremonies in individual clinical departments this month.

"This event honors the incredible work that you do to educate the next generation of physicians," said Kevin Tabb, MD, President and CEO. "I'm pleased to be here today to honor and celebrate the commitment of all of you." . . .

Grace Huang, MD, Medicine, and **Paul Spirn, MD, Radiology**, received the prestigious S. Robert Stone Award for Excellence in Teaching, which was established in 1981 in honor of the late past Board Chair of Beth Israel Hospital by his children.

In sharing notes from students who nominated Huang, Schwartzstein said, "Grace provides sound advice, serves as a role model in balancing family and clinical excellence and makes it clear that above all, she cares about her students. For too long, she has been an unsung hero at BIDMC."

Schwartzstein shared student sentiments about Spirn as well. "**Dr. Spirn teaches by asking questions. While others can make this process intimidating, he creates a safe, productive environment in which we can learn. He emphasizes thinking about things mechanically. For me, this is an important way to learn since it not only helps solidify concepts, but encourages us to be curious and ask questions.**" . . .

Schwartzstein concluded the ceremony by noting that there are many outstanding faculty teaching every day whom were not honored with a specific award. "But we should recognize and thank these educators for their contributions in preparing medical students and residents," he said.

<https://portal.bidmc.org/Utility/BIDMC-Today/Archived-Stories/2015/June/TeachingAwards.aspx>





## Resident-Led Program Sparks Conversations with Patients

Denise Murphy loves her boyfriend and her kids, looks forward to getting outside in the warm weather and is a huge Boston Bruins fan. Anyone stopping into her room on CC6, where she spent about a week in early May, would know these things without even asking her. It was right there in black and white.

Through a resident-led multidisciplinary pilot program called "Tell Me More," several patients displayed their interests on a poster in hopes of sparking warmer interactions and better connections with caregivers and other hospital staff.

"I know that BIDMC prides itself in providing humanistic care," said Mariam Eskander, MD, PGY3, Surgery, a member of The Gold Humanism Society at BIDMC and one of five residents who helped organize the program. "The Gold Humanism Society conducted this campaign to provide patients an opportunity to share their values and interests with providers."

Members of the society asked patients to list three things they wanted their health care team to know about them as people. These insights were written down on posters and hung above the patients' beds for all to see. "We hoped these posters would stimulate patients and families and their health care teams to engage in meaningful discussions that build trust and relationships," Eskander said.

According to Eskander, the "Tell Me More" program has been successfully carried out by a few medical centers across the country in conjunction with the Gold Humanism Honor Society and Arnold P. Gold Foundation as a means to advance compassionate health care.

Kerri Cellucci Albert, RN, Nurse Educator, CC6, helped identify patients who might be willing and able to participate in the program, and later experienced the benefits first-hand.

"I started up a conversation about the Bruins with Denise," Cellucci Albert said. "It was just a natural thing. I think it was a good way to distract patients from what you were doing and treat them more like people. It was a wonderful pilot to be part of and I very much enjoyed it."

For her part, Denise Murphy felt the experience changed her interactions with hospital staff for the better.

"Sometimes you look at a doctor or your nurse and think they don't want to talk, but this program makes them want to stop and talk," Murphy said. "When people came into my room, the poster caught their attention. I was good to be able to look them in the eye and have a conversation, and not just about medicine. They get to know patients on a more personal level."

And she had a few suggestions for improving the program next time. "Maybe make the poster more eye-catching," she said. "Brighten it up" or add some flowers or holiday images.

Eskander was pleased with the program's results. "On the first day, three teams of residents from medicine, hem-onc, radiology, and surgery went to talk to patients on CC6, CC7 and Feldberg 7. We met lots of wonderful people and learned interesting things about them. One patient was an engineer who works on yachts, another just bought a motorcycle."

"A couple of nurses noted that the posters allowed them to relate to patients on common interests and provided a conduit for easier connection," Eskander added.

Nakul Raykar, MD, another of the resident participants in the program, agreed. "It was refreshing to be in a room with a patient to just chat with no agenda."

"We hope to run this program again next year with more participating departments and patients," Eskander said. "At a more basic level, we are hoping that these conversations become an organic part of routine inpatient care at BIDMC."

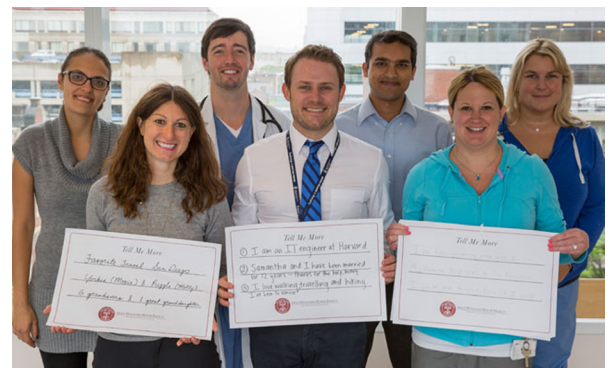
<https://portal.bidmc.org/Home/Utility/BIDMC%20Today/Archived%20Stories/2015/June/TellMeMore.aspx>



We are pleased to include an excerpt from BIDMC Today about a compassionate care event called the "Tell Me More" project that 3rd yr resident **Chip Watts** started with other residents in the Gold Humanism Society.

### The Gold Humanism Society at BIDMC:

In March 2013, BIDMC received a grant from the Arnold P. Gold Foundation to establish a pilot residency chapter of the Gold Humanism Honor Society (GHHS), named the Gold Humanism Society at BIDMC. Official membership is currently at 47 members: medicine (19), surgery (8), anesthesia (3), obstetrics (3), neurology (3), pathology (2), hematology/oncology (1), radiology (1) and medical students (7).



Staff display some of the posters patients used to share a few conversation-starters during the 'Tell Me More' campaign. From left to right: Mariam Eskander, MD; Rebecca Karp, MD; Joey Paonessa, MD; **Chip Watts, MD**; Nakul Raykar, MD; Kerri Cellucci, RN; and Danielle Souza, RN.

# Residents Share Research Projects

*Editor's Note: This is the third story in a series about Medical Education Week at BIDMC. Click to read about the 2015 Teaching Awards and the J. Antony Swartz-Lloyd Media Grand Rounds.*

A display of posters presented at the 2015 Resident Research Day provided a glimpse into the depth and breadth of resident research projects at BIDMC.

"The abstracts shared at the poster session reflect not only the individual hard work and achievement of our trainees, but also the commitment of our teaching programs and faculty mentors," said Carrie Tibbles, MD, Director, Graduate Medical Education.

This event began six years ago under the direction of Michael Donnino, MD, Critical Care and Emergency Medicine, in conjunction with the Graduate Medical Education Office. "The quality of the research across the board is really impressive. Each of these posters is worth turning into a full manuscript," Donnino said. . . .

Eight residents were honored for being lead authors of the most outstanding posters. Honorees earned a \$500 scholarship for travel expenses to facilitate presentation of their research outside of BIDMC.

Winners included:

- **Anthony Esparaz, MD, Radiology:** Outcomes of Patients Undergoing TIPS Variceal Embolization using Vascular Plugs versus Coils: A Case-control Study



**Esparaz A, Sarwar A, Brook O, Tapper E, Grunwald D, Malik R, Ahmed M.**  
**Outcomes of Patients Undergoing TIPS Variceal Embolization using Vascular Plugs versus Coils: A Case-control Study**



Residents who were honored for being lead authors of the most outstanding posters. See below for details.

## Farewell Andrew Bennett, MD, PhD



In the midst of all the coming and going typical of this time of year, we were able to get together to bid farewell and best wishes to Community and Emergency Radiologist **Andrew Bennett, MD PhD** who left BIDMC this month to join the staff at UMASS Worcester in Emergency Radiology. In June, our Emergency Radiology section also honored Andrew for his enormous help over the past several years, "filling in whenever needed with enthusiasm as well as participating in educational activities."



**Outcomes of Patients Undergoing TIPS Variceal Embolization using Vascular Plugs versus Coils: A Case-Control Study**

Anthony M. Esparaz MD<sup>1</sup>, Ammar Sarwar MD<sup>2</sup>, Elliot Tapper MD<sup>3</sup>, Barnabas J. Gilbert MA<sup>3</sup>, Olga Brook MD<sup>1</sup>, Douglas Grunwald MD<sup>2</sup>, Salomaa Faintuch MD<sup>2</sup>, Raza Malik MD, PhD<sup>2</sup>, and Muneeb Ahmed MD<sup>2</sup>

<sup>1</sup>Dept. of Radiology, <sup>2</sup>Dept. of Gastroenterology, Beth Israel Deaconess Medical Center; <sup>3</sup>Harvard Medical School, Boston, MA

**INTRODUCTION**

- Transjugular intrahepatic portosystemic shunt (TIPS) creation is reserved for prophylaxis & treatment of variceal hemorrhage.
- TIPS reduce variceal bleeding compared with endoscopic therapy (OR 0.33, 95% CI 0.003) and deaths due to rebleeding (OR 0.36, p = 0.001) [2].
- TIPS, combined with embolization of concurrently identified, percutaneously filling varices, significantly lowers the incidence and 6-month rate of variceal re-bleeding [2,3].
- One option for variceal embolization is the Amplatzer Vascular Plug.
- Advantages of vascular Plugs include:
  - Minimal, precise placement & control to target [2].
  - Effective, single use procedure.
- **Disadvantages:**
  - Hemolysis [4].
  - Requires larger 6-Fr. Guiding catheter.
- Use of Amplatzer vascular plugs for internal iliac artery occlusion prior to BAVL results in shorter procedure and fluoroscopy times and a 66% difference in 12-month clinical outcomes [5].

**PURPOSE**

- To date, there is no study that compares the multiple embolization techniques and materials for variceal embolization after TIPS.
- Therefore, our study is the first to describe long-term efficacy, re-bleeding rates, mortality rates, and clinical outcomes comparing Amplatzer vascular plugs with standard coils for variceal embolization (concurrent to TIPS placement).

**METHODS**

- **Case-control study design.**
- TIPS cases at BIDMC from May 2003 – December 2014 reviewed.
- Selected consecutive patients who underwent TIPS plus variceal embolization using Amplatzer vascular plugs (AVP) or coils.
- Controls.
- Patients were matched for age, sex, and MELD score.
- **Follow-up:** All patients were followed to most recent appointment, liver transplant, or death.
- **Outcomes:** Re-bleeding and Mortality.
- **Statistical significance:** Proportions & Fluoroscopy time, Contrast dose, Units of blood transfused, ICI & Total length of stay.
- **Statistical analysis:** Successful TIPS creation and embolization of varices with non-embolization of areas post-embolization were compared.
- **Re-bleeding:** Defined as gastroesophageal, duodenal, or rectal variceal bleeding confirmed at endoscopy after the TIPS procedure.
- **Mortality:** Kaplan-Meier analysis for re-bleeding and mortality. Log-rank compared differences in re-bleeding and mortality. Two-sample t-test and Chi-squared test used when appropriate.

**RESULTS**

**TABLE 1. TIPS PROCEDURAL DATA**

	n (%)	n (%)	p-value
Age (Mean)	51.20	51.20	1.00
Sex (Male)	31(84)	31(84)	1.00
Re-bleeding	10(42)	10(42)	0.97
Death at 6 months	8	7	0.99
Fluoroscopy	34(84)	33(84)	0.99
Contrast dose	4214	3114	0.74
Units of blood transfused	1425	1625	0.76
ICI (mmHg)	1820	1620	0.14
Length of stay	37	33	0.88
Follow-up	6	7	0.99

**TABLE 2. TIPS PROCEDURAL DATA**

	Case	Control	p-value
Age (Mean)	51.20	51.20	1.00
Sex (Male)	31(84)	31(84)	1.00
Re-bleeding	10(42)	10(42)	0.97
Death at 6 months	8	7	0.99
Fluoroscopy	34(84)	33(84)	0.99
Contrast dose	4214	3114	0.74
Units of blood transfused	1425	1625	0.76
ICI (mmHg)	1820	1620	0.14
Length of stay	37	33	0.88
Follow-up	6	7	0.99

**INDEX CASE**

**CONCLUSIONS**

- We confirm the superiority of Amplatzer vascular plugs over coils for fast, safe, and efficient embolization of varices, evidenced by significantly lower fluoroscopy time.
- Vascular plugs show equivalence to coils in re-bleed rate and mortality.
- **Study limitations:**
  - Small Sample Size
  - Retrospective Study Design & Selection Bias
  - Difficult to determine if re-bleeding due to recanalization of the vascular plug and coils, or instead the appearance of new varices.
- Re-bleeding rates after variceal embolization with vascular plug are low and comparable to coils.
- Vascular plugs are safe and easily utilized for this indication, allowing for significantly decreased fluoroscopy time.
- Given the current lack of studies on the use of vascular plugs for variceal embolization compared to TIPS, this study presents an incremental gain in the overall understanding of the potential role of vascular plugs in variceal embolization.

**REFERENCES**

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## INTRODUCING A NEW COLUMN: The Patient Experience



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

# Did you know that BIDMC offers FREE Meditation Sessions for Staff on both the East and West Campus?

East Campus 11:30am – noon Wolfson Chapel

West Campus 1pm-1:30pm Dooley Chapel

### STRESSED OUT?

Have you ever had the feeling like you have a million things going on in your mind, so much on your plate and your engine is in over-drive all the time? You're not alone! There is a lot of research out there to support the benefits of Mindfulness

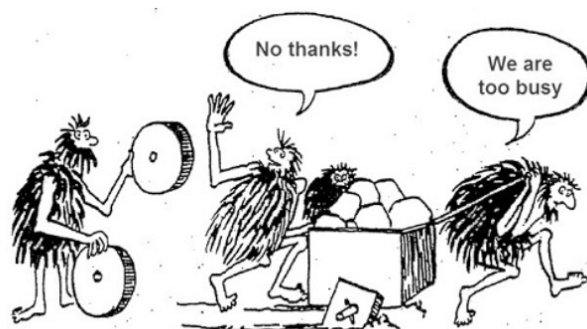
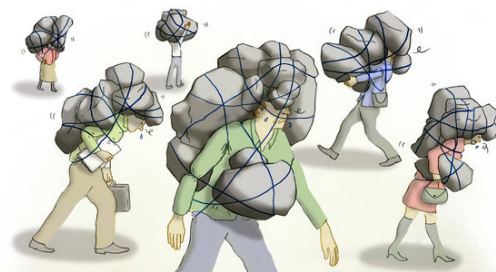
Meditation and its effects on many areas of our life including both mental and

physical health. Once you acquire this skill of mindfulness, you can practice almost anywhere and it doesn't take much time. Invest in yourself and learn more!

Stress is part of the human condition, unavoidable and even necessary to a degree. But too much stress can be toxic — even disabling. And there's a lot of toxic stress out there. A national poll done by NPR with our partners at the Robert Wood Johnson Foundation and the Harvard School of Public Health finds that more than 1 in every 4 Americans say they had a great deal of stress in the previous month. "Everything I know suggests that this is a pretty massive underestimate," Shafir tells Shots. That's because our poll captures only the stress that people are conscious of. Shafir's work and that of others shows there's a lot of stress people don't even realize they have. And this "hidden" stress can reduce our capacity to juggle all the big and little problems life sends our way. Robert Blendon, executive director, Harvard Opinion Research Program It's all about cognitive capacity — the ability of the brain to process many different inputs at the same time, judge what to pay attention to, and make quick decisions on how to respond. Think of it as the bandwidth on your Internet connection."We have very limited bandwidth," Shafir says. "There's only so much you can attend to at any one time. "When people are juggling complicated situations, Shafir says, "It's like driving on a stormy night. You're focused completely on the thing that's capturing your attention right now, and other things get neglected." If stress is chronic, that neglect can be costly over time, compromising your health, your financial well-being, your relationships. So it's important to understand this big thing we call stress and what it's doing to us." Richard Knox, NPR July 2014.

Participating in the practice of mindful meditation can decrease stress and anxiety, increase your clarity and focus, improve communication and improve sleep. All of these benefits can have a large positive impact in all areas of your life. There are also many apps you can add to your smart phones to assist you with various mindfulness techniques and allow you to share them with family. Some schools in the United States are implementing Mindfulness as a tool to help with childhood stress, anxiety and also focus for those suffering with Attention Deficit Disorder. BIDMC Pastoral Care also offers it to our patients in many different settings for the many health and healing benefits.

Please take a few minutes to review these great resources, including some from our BIDMC Portal and don't hesitate to contact me if you have any questions that I can assist you with!



<http://www.helpguide.org/harvard/benefits-of-mindfulness.htm>

<http://www.mindful.org/at-work>

<https://portal.bidmc.org/Utility/BIDMC-Today/Archived-Stories/2011/September/Meditation.aspx>

<http://bcove.me/02tc826p>

<https://portal.bidmc.org/Utility/BIDMC-Today/Archived-Stories/2013/December/ResearchMeditation.aspx>

<http://www.pnas.org/content/104/43/17152.short>

Radiology Action  
Planning Committee's  
Patient Engagement

### TIP OF THE MONTH

To really engage a patient when they visit Radiology, try asking them about something that has nothing to do with why they are here for an Imaging Study.



## THE RADIOLOGY GALLERY:

Thanks to Dr. Kruskal's vision of creating the Radiology Gallery in our conference room in the West Clinical Center, we have been able to share an amazing vista of photographs (and sculptures) by members of our Radiology community since 2010. To date, we have shown 22 exhibits including three by Kevin Donohoe and two each by Maxima Baudissin, Jonathan Kleefeld and Tim Parritt. In 2012, we even exhibited works by students from the New England School of Photography when Julia Swanson, former Admin. Asst. and photographer, served as Guest Curator. This month, don't miss *Double Exposure: Africa as seen by two BIDMC Radiologists* which will be up until August and then, the new show by *Katie Armstrong, Medical Education Programs Manager*, who will share her passion for architectural details!

## Coming in August -

*Medical Education Programs Manager Katie Armstrong shares her passion for architectural elements she captured in Edinburgh, London and Paris:*



## Currently on display -

*The Gallery* at WCC-304B presents *Double Exposure: Africa as seen by two BIDMC Radiologists*

*Peter Gross, MD*

*Breast Imager & Philosopher\* shares his photos of Serengeti's Ngorongoro Conservation Area*



\*"Photography has always fascinated me, not only because of the beauty of how I perceive and record the world around me, but because its similarities to how we obtain images of our patients including sensitivity of the sensor, time spent recording the image, and finally, size of the opening of the lens. Aren't these settings so close to our choices as radiologists in selecting intensifying screens, KVP, and milliamperage?"

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

*Sahil Mehta, MD*

*4th yr Resident shares his photos of Botswana's Chobe National Park*



"Supported by an ACR grant as well as the department, I was able to spend time at Scottish Livingston Hospital (SLH) in Molepolole, Botswana. Molepolole is the largest village in Botswana and SLH supports their population.

Unfortunately, they have limited radiology facilities (1 xray, 2 ultrasounds and no CT or MRI) and no radiologist. I spent my time devoted to education and patient care, performing ultrasounds and teaching the clinicians there how to use the machines. It was a great experience.

Botswana is also known for incredible wildlife, especially at Chobe National Park where I spent a weekend and captured some of these shots. Hope you enjoy!"

- Sahil



## DEPARTMENTAL NEWS: *Introducing our Nurse Practitioners (NP) and Physician's Assistants (PA) in Radiology*

Nurse Practitioners (NPs) and Physician's Assistants (PAs) are integral partners in radiology, facilitating throughput and collaborating with the physicians' practice so efficiently that they are nearly invisible. In this issue, I am pleased to increase their visibility *and our appreciation* by highlighting the role of our NPs/PAs in radiology through Radical Views. Following our profiles of Breast Imaging NP, Nancy Littlehale, and Abdominal Imaging NPs Sarah Ghanem and Kate Schmid, we introduce/update everyone on IR PA, Jon Underhill. – Donna Wolfe, Editor

### *Introducing Cheryl Bunting, WHNP*

I have been an MRI Nurse Practitioner at BIDMC for the past 7 years. I wouldn't have dreamt of being hired into Radiology especially since I had been an OB/Gyn /Labor & Delivery nurse for 14 years, then a Women's Health NP (Clinical) and Director of several Women's Health Units ( Building Level 2 Newborn Nurseries ) for the next 24 years. While I had always hoped to make BIDMC the last stop in my career, I was looking for a radical change in focus and wow did I ever find it in Radiology! I have never been daunted by change and embraced the opportunity to bring my skills to a new level while offering my style and philosophy to BIDMC. It has been a relationship made in heaven. I feel that I have made MRI mine.

Since I am the major clinical presence in MRI, I practice independently much of the time. As the Department grows and expands services, I have been asked to add new ways of operationalizing new scans. Two of the most recent additions have been Defecagrams and GYN Pelvis scans both of which require putting gels in unusual places to enhance viewing. I think my biggest contribution has come from my working with a large cadre of men with prostate cancer which has resulted in my reworking of the oral sedation program. Consequently, I have increased the number of happy sedation patients while decreasing the number of anesthesia cases!

I love the flow and the impact I can have on a patient's experience here and I feel privileged to call the basement of the West Campus home.

– Cheryl



## DEPARTMENTAL NEWS: *Speaking of MRI...*

### *Farewell Amy Callahan*

MR Research Assistant **Amy Callahan** left BIDMC in June to attend the University of New England, College of Osteopathic Medicine in Biddeford, Maine. 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. Her farewell reception was held on Friday, June 26th.





## DEPARTMENTAL NEWS: *Speaking of MRI... (cont'd)*

Last week, the Department of Radiology held its annual **Harvard Medical School CME course on Abdominal Imaging** June 22-24 at the Boston Marriott Long Wharf. In addition to the guest speakers Rendon Nelson (Duke), Caroline Reinhold (McGill), Angela Levy (Georgetown), and Dushyant Sahani (MGH), **13 (!) 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, Mexico, Chili, Peru, Singapore, and Belgium. 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*  
Director, Clinical MRI and CME Course Director

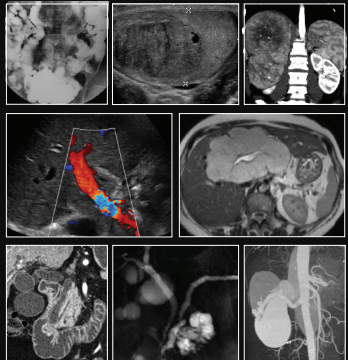


**HARVARD**  
MEDICAL SCHOOL

Beth Israel Deaconess  
Medical Center  
Department of Radiology

### Abdominal & Pelvic Imaging 2015

A Practical Multi-Modality Review Course  
of GI and GU Radiology



Monday - Wednesday  
**June 22 - 24, 2015**  
Boston Marriott Long Wharf  
**Boston, MA**

Guest Faculty:  
**Levy • Nelson • Reinhold • Sahani**

Course Director  
**Koenraad J Mortele MD**

Earn Up To 22.5 AMA PRA Category 1 Credits

## BIDMC MRI at ESGAR (European Society of Gastrointestinal Radiology)

June 9-12, 2015, Paris, France

### Scientific Presentation

Pancreatic endocrine tumors (PETs): multimodality imaging features with histopathological correlation. ([Alessandrino F](#), [Humphrey PE](#), [Resnick E](#), [Bellizzi AM](#), **Mortele KJ.**)

### Educational Exhibits

MDCT and MRI of the Ampulla of Vater: Technique Optimization, Normal Anatomy, Ampullary Disorders, and Pitfalls. ([Alessandrino F](#), [Ivanovic AM](#), [Radulovic D](#), [Souza D](#), **Mortele KJ.**)

Cystic Degeneration in Hepatic Cavernous Hemangiomas: Incidence, Associations, and MR Imaging Features. ([Resnick E](#), [Browne AM](#), [Dewhurst CE](#), [Ní Mhuirheartaigh J](#), **Mortele KJ.**)

MR Enterography Assessment of the Ileal-anal Pouch: Descriptive Radiologic Analysis with Endoscopic and Pathologic Correlation. ([Resnick E](#), [Sahi K](#), [Lee K](#), [Moss A](#), [Yee E](#), [Brook A](#), [Allard F](#), **Mortele KJ.**)



Koenraad Mortele (Chief Body MRI), Elena Resnick (Body MRI fellow), Christophe Balliauw (International Observer Body MRI February-April 2015).



Vito Cantisani (Rome, Italy), Gulia Zamboni (former research Fellow BIDMC), Dejana Radulovic and Koenraad Mortele (Chief Body MRI).





Radiology Chiefs present and past: Drs. Kruskal and Clouse.

**More for Dr. Clouse's Scrapbook:**

In honor of Dr. Melvin Clouse's retirement from Beth Israel Deaconess Medical Center and HMS after more than 45 years of dedicated service at the New England Deaconess Hospital (NEDH) and BIDMC, Dr. Jonathan Kruskal hosted an evening of celebration at – where else but? – the Harvard Club, on Tuesday, May 26, 2015. Guests included Dr. Clouse's son Grady and NEDH alumni Hugh Wheeler, Frank Bradley, and Brook Longmaid.



Dr. Clouse's son Grady at the podium.



(Above L to R:) Frank Bradley (former NEDH Radiologist), Peter Gross, Brook Longmaid (former NEDH MRI Chief), Jonny Kruskal, and Ferris Hall (in profile).



Dr. Melvin Clouse and (Above L to R:) Hugh and Margie Wheeler. Hugh served as a Vice President, Business Manager and Statistician at NEDH under Dr. Clouse.

L: Peter Gross with Dr. Clouse.  
R: Dr. Raptopoulos shares his secrets with Dr. Clouse.

(Below L to R:) Olga Brook and Diana Litmanovich; Muneeb Ahmed and Laura Perry.





**2015 BIDMC Radiology Publications** – A PubMed search for new BIDMC publications is made each month; however, if we miss your paper, please send the reference to [dwolfe@bidmc.harvard.edu](mailto:dwolfe@bidmc.harvard.edu). Note that Epub dates are included only in publications where the Epub and paper publication dates occur in different years, i.e., Epub in 2014 and paper publication in 2015.

**Acord M, Shaikh R.** Predictors of diagnostic success in image-guided pediatric soft-tissue biopsies. *Pediatr Radiol.* 2015 May 10. PMID: 25958250.

**Agarwal MD, Levenson RB, Siewert B, Camacho MA, Raptopoulos V.** Limited added utility of performing follow-up contrast-enhanced CT in patients undergoing initial non-enhanced CT for evaluation of flank pain in the emergency department. *Emerg Radiol.* 2015 Apr;22(2):109-15. doi: 10.1007/s10140-014-1259-4. Epub 2014 Aug 1. PMID: 25082439.

**Alkalay RN, von Stechow D, Hackney DB.** Augmentation of failed human vertebrae with critical un-contained lytic defect restores their structural competence under functional loading: An experimental study. *Clin Biomech (Bristol, Avon).* 2015 Mar 28. pii: S0268-0033(15)00100-X. doi: 10.1016/j.clinbiomech.2015.03.024. PMID: 25912639.

**Alessandrino F, Millo N, Yee EU, Mortel  KJ.** The “peripheral washout sign” in focal hepatic lesions: not always an MRI sign of malignancy. *Clin Imaging.* 2015 Apr 20. pii: S0899-7071(15)00097-2. doi: 10.1016/j.clinimag.2015.04.005. PMID: 25951769.

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

**Arnason JE, Luptakova K, Rosenblatt J, Tzachanis D, Avigan D, Zwicker JI, Levine J, Kim M, Parker JA, Grant B, Joyce RM.** Yttrium-90 ibritumomab tiuxetan followed by rituximab maintenance as treatment for patients with diffuse large B-cell lymphoma are not candidates for autologous stem cell transplant. *Acta Haematol.* 2015;133(4):347-53. doi: 10.1159/000368291. PMID: 25677780.

**Avadhani R, Fowler K, Barbato C, Thomas S, Wong W, Paul C, Aksakal M, Hauser TH, Weinger K, Goldfine AB.** Glycemia and cognitive function in metabolic syndrome and coronary heart disease. *Am J Med.* 2015 Jan;128(1):46-55. doi: 10.1016/j.amjmed.2014.08.025. Epub 2014 Sep 16. PMID: 25220612; PMCID: PMC4306431.

**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. *Radiology.* 2015 Jun 16:150619. PMID: 26079489.

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

**Boiselle PM, Bardo DM, Rubin GD, Tack D.** Expert Opinion: Is there Still a Role for Filtered-back Projection Reconstruction in Cardiothoracic CT? *J Thorac Imaging.* 2015 Jul;30(4):219. doi:10.1097/RTI.0000000000000163. PMID: 26057436.

**Boiselle PM, Choe YH, Leipsic J, Pugliese F, Schoepf UJ, Vliegenthart R.** Expert Opinion: How and When to Perform CT Myocardial Perfusion Imaging. *J Thorac Imaging.* 2015 May;30(3):167-8. doi: 10.1097/RTI.0000000000000156. PMID: 25844977.

**Boiselle PM, Ravenel JG, White CS.** Current practices for lung cancer screening-reply. *JAMA Intern Med.* 2015 Feb 1;175(2):317-8. doi: 10.1001/jamainternmed.2014.6988. PMID: 25642679.

**Boiselle PM, Reddy GP.** Reviewer awards and acknowledgements editors' recognition awards for distinction in reviewing in 2014. *J Thorac Imaging.* 2015 Jan;30(1):14. doi: 10.1097/RTI.0000000000000126. PMID: 25525779.

**Brook OR, Brook A, Vollmer CM, Kent TS, Sanchez N, Pedrosa I.** Structured reporting of multiphasic CT for pancreatic cancer: potential effect on staging and surgical planning. *Radiology.* 2015 Feb;274(2):464-72. doi: 10.1148/radiol.14140206. Epub 2014 Oct 3. PMID: 25286323.

**Brook OR, Romero J, Brook A, Kruskal JB, Yam CS, Levine D.**

The complementary nature of peer review and quality assurance data collection. *Radiology.* 2015 Jan;274(1):221-9. doi: 10.1148/radiol.14132931. Epub 2014 Sep 1. PMID: 25188432.

**Cavallari M, Hshieh TT, Guttmann CR, Ngo LH, Meier DS, Schmitt EM, Marcantonio ER, Jones RN, Kosar CM, Fong TG, Press D, Inouye SK, Alsop DC; SAGES Study Group.** Brain atrophy and white-matter hyperintensities are not significantly associated with incidence and severity of post-operative delirium in older persons without dementia. *Neurobiol Aging.* 2015 Feb 28. pii: S0197-4580(15)00155-4. PMID: 25824618.

**Chadashvili T, Ghosh E, Fein-Zachary V, Mehta TS, Venkataraman S, Dialani V, Slanetz PJ.** Nonmass enhancement on breast MRI: review of patterns with radiologic-pathologic correlation and discussion of management. *AJR Am J Roentgenol.* 2015 Jan;204(1):219-27. doi: 10.2214/AJR.14.12656. Review. PMID: 25539260.

**Chan RH, Maron BJ, Olivotto I, Assenza GE, Haas TS, Lesser JR, Gruner C, Crean AM, Rakowski H, Rowin E, Udelson J, Lombardi M, Tomberli B, Spirito P, Formisano F, Marra MP, Biagini E, Autore C, Manning WJ, Appelbaum E, Roberts WC, Basso C, Maron MS.** Significance of Late Gadolinium Enhancement at Right Ventricular Attachment to Ventricular Septum in Patients With Hypertrophic Cardiomyopathy. *Am J Cardiol.* 2015 May 8. pii: S0002-9149(15)01258-8. doi: 10.1016/j.amjcard.2015.04.060. PMID: 26026863.

**Chan RH, Shaw JL, Hauser TH, Markson LJ, Manning WJ.** Guideline Adherence for Echocardiographic Follow-Up in Outpatients with at Least Moderate Valvular Disease. *J Am Soc Echocardiogr.* 2015 Apr 3. pii: S0894-7317(15)00143-1. doi: 10.1016/j.echo.2015.03.001. PMID: 25843026.

**Ciet P, Litmanovich DE.** MR safety issues particular to women. *Magn Reson Imaging Clin N Am.* 2015 Feb;23(1):59-67. doi: 10.1016/j.mric.2014.09.002. PMID: 25476674.

**Clavelle K, King D, Bazzi AR, Fein-Zachary V, Potter J.** Breast Cancer Risk in Sexual Minority Women during Routine Screening at an Urban LGBT Health Center. *Womens Health Issues.* 2015 Jun 6. pii: S1049-3867(15)00039-0. doi: 10.1016/j.whi.2015.03.014. PMID: 26060123.

**Cypess AM, Weiner LS, Roberts-Toler C, Franquet E\*, Kessler SH, Kahn PA, English J, Chatman K, Trauger SA, Doria A, Kolodny GM.** Activation of Human Brown Adipose Tissue by a  $\beta$ 3-Adrenergic Receptor Agonist. *Cell Metab.* 2015 Jan 6;21(1):33-8. doi: 10.1016/j.cmet.2014.12.009. PMID: 25565203; PMCID: PMC4298351. \*Note name correction

**Danziger J, Thummalakunta L, Nelson R, Faintuch S.** The risk of acute kidney injury with transjugular intrahepatic portosystemic shunts. *J Nephrol.* 2015 Mar 10. [Epub ahead of print] PMID: 25753449.

**Dialani V, Chadashvili T, Slanetz PJ.** Role of Imaging in Neoadjuvant Therapy for Breast Cancer. *Ann Surg Oncol.* 2015 May;22(5):1416-24. doi: 10.1245/s10434-015-4403-9. PMID: 25727555.

Dodd GD 3rd, Allen B Jr, Birzniek D, Boland GW, Brink JA, Dreyer KJ, Khandheria P, **Kruskal JB**, Ricci P, Seibert JA, Zane R. Reengineering the radiology enterprise: a summary of the 2014 intersociety committee summer conference. *J Am Coll Radiol*. 2015 Mar;12(3):228-34. doi: 10.1016/j.jacr.2014.11.022. PMID: 25743920.

Donovan LM, Kress WL, Strnad LC, **Sarwar A**, Patwardhan V, Piatkowski G, Tapper EB, Afdhal NH. Low likelihood of intracranial hemorrhage in patients with cirrhosis and altered mental status. *Clin Gastroenterol Hepatol*. 2015 Jan;13(1):165-9. doi: 10.1016/j.cgh.2014.05.022. Epub 2014 Jun 4. PMID: 24907500.

DuBrock HM, **Bankier AA**, **Silva M**, **Litmanovich DE**, Curry MP, Washko GR. Pulmonary Vessel Cross-sectional Area before and after Liver Transplantation: Quantification with Computed Tomography. *Acad Radiol*. 2015 Jun;22(6):752-9. doi: 10.1016/j.acra.2015.01.018. PMID: 25770631.

**Dunn DP**, **Kelsey NR**, **Lee KS**, **Smith MP**, **Morteale KJ**. Non-oncologic applications of diffusion-weighted imaging (DWI) in the genitourinary system. *Abdom Imaging*. 2015 Jun 25. PMID: 26109511.

**Dunn DP**, **Lee KS**, **Smith MP**, **Morteale KJ**. Nononcologic applications of diffusion-weighted imaging in the gastrointestinal system. *AJR Am J Roentgenol*. 2015 Apr;204(4):758-67. doi: 10.2214/AJR.14.12729. Review. PMID: 25794064.

Dunnick NR, **Kressel HY**. Manuscript reviewers: a note of thanks. *Radiology*. 2015 Apr;275(1):310. doi: 10.1148/radiol.15154007. PMID: 25799342.

Foppa M, Rao SN, **Manning WJ**. Doppler echocardiography in the evaluation of a heart murmur. *JAMA*. 2015 Mar 10;313(10):1050-1. doi: 10.1001/jama.2015.1278. PMID: 25756442.

Gareen IF, Duan F, Greco EM, Snyder BS, **Boiselle PM**, Park ER, Fryback D, Gatsonis C. Impact of lung cancer screening results on participant health-related quality of life and state anxiety in the National Lung Screening Trial. *Cancer*. 2014 Nov 1;120(21):3401-9. doi: 10.1002/cncr.28833. Epub 2014 Jul 25. PMID: 25065710; PMCID: PMC4205265.

George RT, Mehra VC, Chen MY, Kitagawa K, Arbab-Zadeh A, Miller JM, Matheson MB, Vavere AL, Kofoed KF, Rochitte CE, Dewey M, Yaw TS, Niinuma H, Brenner W, Cox C, **Clouse ME**, Lima JA, Di Carli M. Myocardial CT Perfusion Imaging and SPECT for the Diagnosis of Coronary Artery Disease: A Head-to-Head Comparison from the CORE320 Multicenter Diagnostic Performance Study. *Radiology*. 2015 Feb;274(2):626. PMID: 25625749.

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, Helmsberger 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 May 22. PMID: 25994193.

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 (TIPS) for Refractory Ascites. *J Clin Gastroenterol*. 2015 May 6. PMID: 25984975.

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

**Hall FM**. Upper extremity trauma radiographs. *AJR Am J Roentgenol*. 2015 Mar;204(3):W374. doi: 10.2214/AJR.14.13838. PMID: 25714326.

**Hall FM**. IT Challenges for the Aging Radiologist: Practice Corner. *Radiographics*. 2015 Mar-Apr;35(2):650-1. doi: 10.1148/rg.352144012. PMID: 25763745.

**Hauser TH**, **Essebag V**, **Baldessin F**, **McClennen S**, **Yeon SB**, **Manning WJ**, **Josephson ME**. Prognostic value of pulmonary vein size in prediction of atrial fibrillation recurrence after pulmonary vein isolation: a cardiovascular magnetic resonance study. *J Cardiovasc Magn Reson*. 2015 Jun 18;17:49. doi: 10.1186/s12968-015-0151-z. PMID: 26082185.

**Heidinger BH**, **Occhipinti M**, **Eisenberg RL**, **Bankier AA**. Imaging of Large Airways Disorders. *AJR Am J Roentgenol*. 2015 Jul;205(1):41-56. doi: 10.2214/AJR.14.13857. PubMed PMID: 26102379.

**Ho ML**, **Juliano A**, **Eisenberg RL**, **Moonis G**. Anatomy and pathology of the facial nerve. *AJR Am J Roentgenol*. 2015 Jun;204(6):W612-9. doi: 10.2214/AJR.14.13444. PMID: 26001250.

Humphrey PE, Alessandrino F, Bellizzi AM, **Morteale KJ**. Non-hyperfunctioning pancreatic endocrine tumors: multimodality imaging features with histopathological correlation. *Abdom Imaging*. 2015 May 20. PMID: 25989932.

Isaac L, Main KL, **Soman S**, Gotlib IH, Furst AJ, Kinoshita LM, Fairchild JK, Yesavage JA, Ashford JW, Bayley PJ, Adamson MM. The impact of depression on Veterans with PTSD and traumatic brain injury: A diffusion tensor imaging study. *Biol Psychol*. 2015 Jan 3;105C:20-28. doi: 10.1016/j.biopsycho.2014.12.011. PMID: 25559772.

Jefferson AL, Beiser AS, Himali JJ, Seshadri S, O'Donnell CJ, **Manning WJ**, Wolf PA, Au R, Benjamin EJ. Low cardiac index is associated with incident dementia and Alzheimer disease: the framingham heart study. *Circulation*. 2015 Apr 14;131(15):1333-9. doi: 10.1161/CIRCULATIONAHA.114.012438. PMID: 25700178; PMCID: PMC4398627.

**Jerome SD**, **Farrell MB**, **Godiwala T**, **Heller GV**, **Bezold LI**, **Choi JY**, **Cockroft KM**, **Gornik HL**, **Katanick SL**, **Manning WJ**. Facility perception of nuclear cardiology accreditation: Results of an Intersocietal Accreditation Commission (IAC) survey. *J Nucl Cardiol*. 2015 Jun;22(3):496-503. doi: 10.1007/s12350-014-0011-5. Epub 2014 Oct 29. PMID: 25352528.

**Johnson M**, Kent MS, Khwaja K, **Faintuch S**. Hepatic Capsular Avulsion After Video-Assisted Thoracic Biopsy of the Lung. *Ann Thorac Surg*. 2015 Mar;99(3):1069-71. doi: 10.1016/j.athoracsur.2014.05.021. PMID: 25742834.

Kisilevzky N, **Faintuch S**. Is prostatic artery embolization similar to uterine artery embolization? *Cardiovasc Intervent Radiol*. 2015 Feb;38(1):247-50. doi: 10.1007/s00270-014-0874-5. Epub 2014 Mar 20. PMID: 24647656.

**Kressel HY**. New for 2015. *Radiology*. 2015 Jan;274(1):7-8. doi: 10.1148/radiol.14142273. PMID: 25531471.

**Kressel HY**. Radiology editorial board 2015. *Radiology*. 2015 Jan;274(1):9. doi: 10.1148/radiol.14141859. PMID: 25531472.

**Kressel HY**. Editor's Recognition Awards. *Radiology*. 2015 Jan;274(1):10-1. doi: 10.1148/radiol.14141871. PMID: 25531473.

**Kressel HY**, **Levine D**. Introducing the "golden oldies" of radiology. *Radiology*. 2015 Jan;274(1):4-6. doi: 10.1148/radiol.14142264. PMID: 25531470.

**Kruskal JB**, **Sarwar A**. An introduction to basic quality metrics for practicing radiologists. *J Am Coll Radiol*. 2015 Apr;12(4):330-2. doi: 10.1016/j.jacr.2014.12.010. PMID: 25745829.



**Kung JW, Slanetz PJ, Huang GC, Eisenberg RL.** Reflective Practice: Assessing Its Effectiveness to Teach Professionalism in a Radiology Residency. *Acad Radiol.* 2015 Apr 8. pii: S1076-6332(15)00079-3. doi: 10.1016/j.acra.2014.12.025. PMID: 25863796.

Lake-Bakaar G, **Ahmed M**, Evenson A, Bonder A, **Faintuch S**, Sundaram V. Hagen-Poiseuille's law: The link between cirrhosis, liver stiffness, portal hypertension and hepatic decompensation. *World J Hepatol.* 2015 Jan 27;7(1):28-32. doi: 10.4254/wjh.v7.i1.28. Review. PMID: 25624993, PMCID: PMC4295190

Lavelle LP, McEvoy SH, Ni Mhurchu E, Gibney RG, **McMahon CJ**, Heffernan EJ, Malone DE. Cystic Fibrosis below the Diaphragm: Abdominal Findings in Adult Patients. *Radiographics.* 2015 Apr 24;140110. PMID: 25910185.

Lee CS, Murphy DJ, **McMahon C**, Nolan B, Cullen G, Mulcahy H, Sheahan K, Barnes E, Fennelly D, Ryan EJ, Doherty GA. Visceral Adiposity is a Risk Factor for Poor Prognosis in Colorectal Cancer Patients Receiving Adjuvant Chemotherapy. *J Gastrointest Cancer.* 2015 Apr 2. PMID: 25832480.

**Levine D, Kressel HY.** Radiology's Legacy: Rummaging through the Attic. *Radiology.* 2015 Jan;274(1):20-8. PMID: 25531477.

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

**Lin YC, Mhuircheartaigh JN\***, Lamb J, **Kung JW**, Yablon CM, **Wu JS.** Imaging of adult flatfoot: correlation of radiographic measurements with MRI. *AJR Am J Roentgenol.* 2015 Feb;204(2):354-9. doi: 10.2214/AJR.14.12645. PMID: 25615758. [\*Ni Mhuircheartaigh JN]

Lynch DA, Austin JH, Hogg JC, Grenier PA, Kauczor HU, **Bankier AA**, Barr RG, Colby TV, Galvin JR, Gevenois PA, Coxson HO, Hoffman EA, Newell JD Jr, Pistolesi M, Silverman EK, Crapo JD. CT-Definable Subtypes of Chronic Obstructive Pulmonary Disease: A Statement of the Fleischner Society. *Radiology.* 2015 May 11;141579. PMID: 25961632.

Magalhães TA, Kishi S, George R, Arbab-Zadeh A, Vavere A, Cox C, Matheson MB, Miller J, Brinker J, Di Carli M, Rybicki FJ, Rochitte CE, **Clouse M**, Lima JA. Combining coronary angiography and myocardial perfusion by CT in the identification of flow-limiting stenosis-The CORE320 study: A coronary CT angiography-myocardial CT perfusion integrated analysis. *J Cardiovasc Comput Tomogr.* 2015 Mar 21. pii: S1934-5925(15)00094-5. doi: 10.1016/j.jcct.2015.03.004. PMID: 25977111.

Mainiero MB, Lourenco AP, Barke LD, Argus AD, Bailey L, Carkaci S, D'Orsi C, Green ED, Holley SO, Jokich PM, Lee SJ, Mahoney MC, Moy L, **Slanetz PJ**, Trikha S, Yepes MM, Newell MS. ACR Appropriateness Criteria Evaluation of the Symptomatic Male Breast. *J Am Coll Radiol.* 2015 May 19. pii: S1546-1440(15)00187-8. doi: 10.1016/j.jacr.2015.03.024. PMID: 26001306.

**Manning WJ**, Farrell MB, Bezold LI, Choi JY, Cockroft KM, Gornik HL, Jerome SD, Katanick SL, Heller GV. How Do Noninvasive Imaging Facilities Perceive the Accreditation Process? Results of an Intersocietal Accreditation Commission Survey. *Clin Cardiol.* 2015 Jun 13. doi: 10.1002/clc.22408. PMID: 26072711.

Margolis NE, Mackey RA, **Sarwar A**, Fintelmann FJ. 15 Practical Ways to Add Value in Daily Practice: An Imaging 3.0 Primer for Trainees. *J Am Coll Radiol.* 2015 Jun;12(6):638-40. doi: 10.1016/j.jacr.2015.03.002. PMID: 26047405.

Mauri G, Cova L, De Beni S, Ierace T, Tondolo T, Cerri A, **Goldberg SN**, Solbiati L. Real-Time US-CT/MRI Image Fusion for Guidance of Thermal Ablation of Liver Tumors Undetectable with US: Results in 295 Cases. *Cardiovasc Intervent Radiol.* 2015 Feb;38(1):143-51. doi: 10.1007/s00270-014-0897-y. Epub 2014 May 8. PMID: 24806953.

McEvoy SH, Lavelle LP, Purcell YM, Quinlan DM, Skehan SJ, Collins CD, **McMahon CJ.** Should abdominal sequences be included in prostate cancer MR staging studies? *Eur J Radiol.* 2015 Mar 6. pii: S0720-048X(15)00115-1. doi: 10.1016/j.ejrad.2015.02.023. PMID: 25795196.

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.* 2015 May 29. PMID: 26022114.

**Nemec SF**, Molinari F, Dufresne V, Gosset N, Silva M, **Bankier AA.** Comparison of four software packages for CT lung volumetry in healthy individuals. *Eur Radiol.* 2015 Jun;25(6):1588-97. doi: 10.1007/s00330-014-3557-3. PMID: 25576226.

**Occhipinti M, Heidinger BH, Franquet E, Eisenberg RL, Bankier AA.** Imaging the posterior mediastinum: a multimodality approach. *Diagn Interv Radiol.* 2015 May 15. doi: 10.5152/dir.2014.14467. PMID: 25993732.

Ong EM, Ghazi LJ, Schwartz DA, **Mortelé KJ.** Guidelines for imaging of Crohn's perianal fistulizing disease. *Inflamm Bowel Dis.* 2015 Apr;21(4):731-6. doi: 10.1097/MIB.0000000000000367. PMID: 25751067.

**Parker JA.** ABNM International In-Training Examination Program. *J Nucl Med.* 2015 Feb;56(2):10N. PMID: 25645220.

Rastegar N, Matteoni-Athayde LG, Eng J, Takahashi N, Tamm EP, **Mortelé KJ**, Syngal S, Margolis D, Lennon AM, Wolfgang CL, Fishman EK, Hruban RH, Goggins M, Canto MI, Kamel IR. Incremental value of secretin-enhanced magnetic resonance cholangiopancreatography in detecting ductal communication in a population with high prevalence of small pancreatic cysts. *Eur J Radiol.* 2015 Apr;84(4):575-80. doi: 10.1016/j.ejrad.2014.12.028. PMID: 25619503.

Ridge CA, **Litmanovich DE.** Acute aortic syndromes: current status. *J Thorac Imaging.* 2015 May;30(3):193-201. doi: 10.1097/RTI.0000000000000155. PubMed PMID: 25851925.

**Roujol S, Basha TA, Weingärtner S, Akçakaya M, Berg S, Manning WJ, Nezafat R.** Impact of motion correction on reproducibility and spatial variability of quantitative myocardial T2 mapping. *J Cardiovasc Magn Reson.* 2015 Jun 12;17:46. doi: 10.1186/s12968-015-0141-1. PMID: 26067275; PMCID: PMC4465156.

Roujol S, Foppa M, Weingärtner S, **Manning WJ**, Nezafat R. Adaptive registration of varying contrast-weighted images for improved tissue characterization (ARCTIC): Application to T1 mapping. *Magn Reson Med.* 2015 Apr;73(4):1469-82. doi: 10.1002/mrm.25270. Epub 2014 May 5. PMID: 24798588; PMCID: PMC4221574.

Rozenblum N, Zeira E, Bulvik B, Gourevitch S, Yotvat H, Galun E, **Goldberg SN.** Radiofrequency Ablation: Inflammatory Changes in the Periablative Zone Can Induce Global Organ Effects, Including Liver Regeneration. *Radiology.* 2015 Mar 30;141918. PMID: 25822472.

Rozenblum N, Zeira E, Scaiewicz V, Bulvik B, Gourevitch S, Yotvat H, Galun E, **Goldberg SN.** Oncogenesis: An "Off-Target" Effect of Radiofrequency Ablation. *Radiology.* 2015 Mar 30;141695. PMID: 25822470.

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

**Sarwar A**, Boland G, **Monks A, Kruskal JB.** Metrics for Radiologists in the Era of Value-based Health Care Delivery. *Radiographics.* 2015 May-Jun;35(3):866-76. doi: 10.1148/rg.2015140221. PMID: 25839737.

Schwartz DA, Ghazi LJ, Regueiro M, Fichera A, Zoccali M, Ong EM, **Mortel  KJ**. Guidelines for the multidisciplinary management of Crohn's perianal fistulas: summary statement. *Inflamm Bowel Dis*. 2015 Apr;21(4):723-30. doi: 10.1097/MIB.0000000000000315. PMID: 25751066.

**Senapati GM, Sheiman RG**, Almashat S, Goldsmith JD. Pleomorphic Liposarcoma of the Inferior Vena Cava: AIRP Best Cases in Radiologic-Pathologic Correlation. *Radiographics*. 2015 Jan-Feb;35(1):269-74. doi: 10.1148/rg.351140198. PMID: 25590403.

**Sharpe RE Jr, Mehta TS, Eisenberg RL, Kruskal JB**. Strategic planning and radiology practice management in the new health care environment. *adiographics*. 2015 Jan-Feb;35(1):239-53. doi: 10.1148/rg.351140064. PMID: 25590401.

Shklyar I, Geisbush TR, Mijalovic AS, Pasternak A, Darras BT, **Wu JS**, Rutkove SB, Zaidman CM. Quantitative muscle ultrasound in Duchenne muscular dystrophy: A comparison of techniques. *Muscle Nerve*. 2015 Feb;51(2):207-13. doi: 10.1002/mus.24296. Epub 2014 Dec 23. PMID: 24862337; PMCID: PMC4241391.

**Slanetz PJ**, Freer PE, Birdwell RL. Breast-density legislation--practical considerations. *N Engl J Med*. 2015 Feb 12;372(7):593-5. doi: 10.1056/NEJMp1413728. PMID: 25671249.

Smetana GW, **Boiselle PM**, Schwartzstein RM. Screening for lung cancer with low-dose computed tomography: grand rounds discussion from the beth Israel deaconess medical center. *Ann Intern Med*. 2015 Apr 21;162(8):577-82. doi: 10.7326/M15-0055. PMID: 25894026.

**Smith MP**, Katz DS, Lalani T, Carucci LR, Cash BD, Kim DH, Piorkowski RJ, Small WC, Spottswood SE, Tulchinsky M, Yaghami V, Yee J, Rosen MP. ACR Appropriateness Criteria® Right Lower Quadrant Pain-Suspected Appendicitis. *Ultrasound Q*. 2015 Jun;31(2):85-91. doi: 10.1097/RUQ.0000000000000118. PMID: 25364964.

Tanami Y, Jinzaki M, Kishi S, Matheson M, Vavere AL, Rochitte CE, Dewey M, Chen MY, **Clouse ME**, Cox C, Kuribayashi S, Lima JA, Arbab-Zadeh A. Lack of Association Between Epicardial Fat Volume and Extent of Coronary Artery Calcification, Severity of Coronary Artery Disease, or Presence of Myocardial Perfusion Abnormalities in a Diverse, Symptomatic Patient Population: Results From the CORE320 Multicenter Study. *Circ Cardiovasc Imaging*. 2015 Mar;8(3):e002676. doi: 10.1161/CIRCIMAGING.114.002676. PMID: 25752899; PMCID: PMC4355954.

Taylor S, **Litmanovich DE**, **Shahrzad M**, **Bankier AA**, Gevenois PA, Tack D. Organ-based Tube Current Modulation: Are Women's Breasts Positioned in the Reduced-Dose Zone? *Radiology*. 2015 Jan;274(1):260-6. doi: 10.1148/radiol.14140694. Epub 2014 Aug 22. PMID: 25153159.

**Tsai LL**, Kaliannan K, **Mortel  KJ**. Gallbladder splenosis: a hereto unreported mimicker of a gallbladder neoplasm. *Clin Imaging*. 2015 Mar-Apr;39(2):318-20. doi: 10.1016/j.clinimag.2014.10.018. Epub 2014 Nov 5. PMID: 25467423.

van Riel SJ, S nchez CI, **Bankier AA**, Naidich DP, Verschakelen J, Scholten ET, de Jong PA, Jacobs C, van Rikxoort E, Peters-Bax L, Snoeren M, Prokop M, van Ginneken B, Schaefer-Prokop C. Observer Variability for Classification of Pulmonary Nodules on Low-Dose CT Images and Its Effect on Nodule Management. *Radiology*. 2015 May 22;142700. PMID: 26020438.

**Varma G**, Duhamel G, de Bazelaire C, **Alsop DC**. Magnetization transfer from inhomogeneously broadened lines: A potential marker for myelin. *Magn Reson Med*. 2015 Feb;73(2):614-22. doi: 10.1002/mrm.25174. Epub 2014 Mar 6. PMID: 24604578.

Waks JW, Manning WJ. Left Atrial Appendage Closure to Reduce the Risk of Thromboembolic Complications in Atrial Fibrillation: Pay Now and Possibly Pay Later? *J Am Coll Cardiol*. 2015 Jun 23;65(24):2624-7. doi: 10.1016/j.jacc.2015.03.593. PMID: 26088301.

Weiss N, **Goldberg SN**, Nissenbaum Y, Sosna J, Azhari H. Planar strain analysis of liver undergoing microwave thermal ablation using x-ray CT. *Med Phys*. 2015 Jan;42(1):372. doi: 10.1118/1.4903896. PMID: 25563277.

**Wu JS**, Li J, Greenman RL, Bennett D, Geisbush T, Rutkove SB. Assessment of aged mdx mice by electrical impedance myography and MRI. *Muscle Nerve*. 2015 Jan 16. doi: 10.1002/mus.24573. PMID: 25597760.

Yeon SB, Salton CJ, Gona P, Chuang ML, Blease SJ, Han Y, Tsao CW, Danias PG, Levy D, O'Donnell CJ, **Manning WJ**. Impact of age, sex, and indexation method on MR left ventricular reference values in the framingham heart study offspring cohort. *J Magn Reson Imaging*. 2015 Apr;41(4):1038-45. doi: 10.1002/jmri.24649. Epub 2014 May 12. PMID: 24817313; PMCID: PMC4248013.

**Zhang D**, Savage CA, Li X, Liu B. Data-Driven CT Protocol Review and Management-Experience From a Large Academic Hospital. *J Am Coll Radiol*. 2015 Jan 7. pii: S1546-1440(14)00637-1. doi: 10.1016/j.jacr.2014.10.006. PMID: 25577405.

Zhang L, **Wang X**, Bullock AJ, Callea M, Shah H, Song J, Moreno K, Visentin B, Deutschman D, **Alsop DC**, Atkins MB, Mier JW, Signoretti S, Bhasin M, Sabbadini RA, Bhatt RS. Anti-S1P antibody as a novel therapeutic strategy for VEGFR TKI-resistant renal cancer. *Clin Cancer Res*. 2015 Apr 15;21(8):1925-34. doi: 10.1158/1078-0432.CCR-14-2031. PMID: 25589614.

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

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