

# Radical Views... from the Department of Radiology

Volume 6, Number 3

Oct 2013



Beth Israel Deaconess  
Medical Center



A teaching hospital of  
Harvard Medical School



## FROM THE CHIEF

Jonathan B. Kruskal, MD PhD

### ➤ Congratulations Drs. Faintuch, Brook and Kung!

I am pleased to announce that the following promotions have been approved by HMS:



**Salomao Faintuch, MD -**  
Assistant Professor of Radiology,  
Interventional Radiology



**Justin Kung, MD -**  
Assistant Professor of Radiology,  
MSK/Community Radiology



**Olga R. Brook, MD -**  
Assistant Professor of Radiology,  
Interventional Radiology /  
Abdominal Imaging

### ➤ Congratulations Alexander Bankier, MD, PhD - Secretary, Fleischner Society -



At its annual meeting in Jeju, South Korea, in June 2013, Alex Bankier was elected secretary of the Fleischner Society. After serving as chairman of the Scientific Program Planning Committee of the society for the past two years, Alex will now serve as secretary for three more years, to later move to president-elect and, eventually, president of the society in 2017-2018.



The Fleischner Society is an international, multidisciplinary society for thoracic radiology, dedicated to the diagnosis and treatment of diseases of the chest. Founded in 1969, the Society was named in memory of Felix Fleischner, former chairman of Radiology at the Beth Israel Hospital, and an inspiring educator, clinician, and researcher who made seminal contributions to the field of chest radiology.

The Fleischner Society has an active membership of approximately 65 members worldwide, as well as approximately 35 senior members. The Fleischner Society maintains a diverse membership that includes experts in adult and pediatric radiology, pathology, adult and pediatric pulmonary medicine, thoracic surgery, physiology, morphology, epidemiology and other related sciences. The diversity of the membership is aimed to support the various multidisciplinary educational and research activities of the Society.

### ➤ Congratulations Gillian Lieberman for Top Clerkship Scores!

HMS medical students rated our BIDMC Radiology Clerkship as best clerkship overall for the 2013 academic year. Students completed an 11-page survey and BIDMC Radiology earned best scores under the following criteria:

- How well were the objectives stated at the outset
- Were the criteria used to evaluate you explained at the outset
- Rate the organization
- Were the faculty accessible
- Rate the quality of the teaching overall
- Was there enough content to master core knowledge of subject
- How appropriate was the responsibility you were given for patients

**Overall score was 1.17 with 1 being the best**

- Jonny



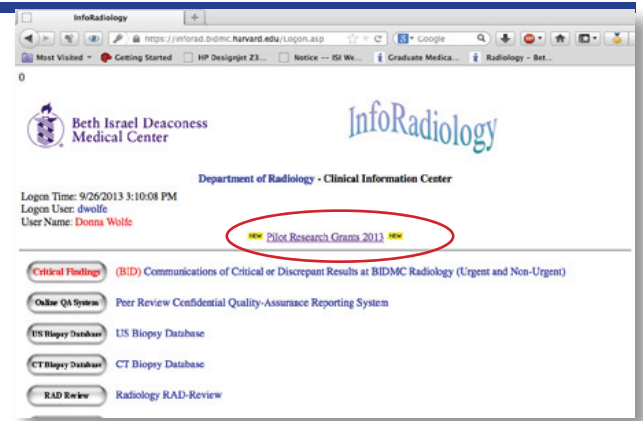


## Pilot Research Awards

Department of Radiology, Beth Israel Deaconess Medical Center

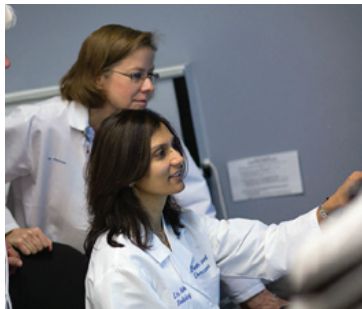
I am pleased to announce the reinstatement of our Pilot Research Awards (aka the Mini-Grant Program).

The Radiology Department Pilot Research Awards are designed to enable departmental investigators to gain experience in defining objectives and testing hypotheses in preparation for external grant applications and/or submission of manuscripts. These one-year grants up to \$15,000 awards are intended to support the preliminary or pilot phase of scientific projects and are not intended to supplement major funding that has already been secured. Full-time faculty, fellows, residents and research staff employed by the Department of Radiology are eligible to apply. Eligible projects include any area of basic, clinical, or translational research related to radiology. Submissions will be reviewed in two annual cycles. Submissions received by November 17, 2013 will be considered for funding beginning January 15, 2014. Submissions received by May 18, 2014 will be considered for funding beginning July 15, 2015. Full instructions are now available on the InfoRadiology homepage. Please contact Dr. David Alsop at [dalsop@bidmc.harvard.edu](mailto:dalsop@bidmc.harvard.edu) with any questions about these awards or other research plans or needs.



### ➤ Congratulations Vandana Dialani, new Director of Breast MRI

I am thrilled to announce that Dr. Vandana Dialani has agreed to be Director of Breast MRI.



Priscilla J. Slanetz and Tejas Mehta

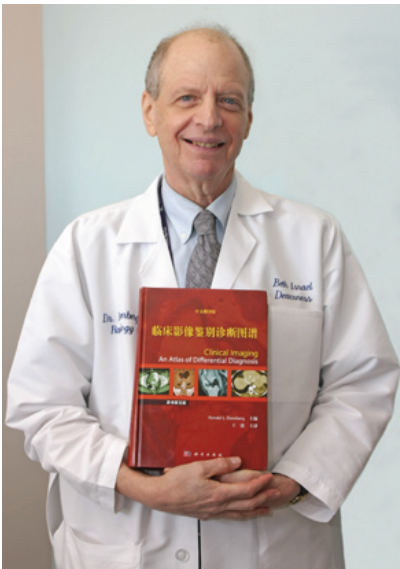
I wish to express my deepest gratitude to Dr. Priscilla Slanetz for serving as Director of Breast MRI for the past 4 years. Dr. Slanetz has helped build the program to what it is today, and will continue to mentor and support Dr. Dialani (previously Associate Director of Breast MRI). In 2012, both Dr. Slanetz and Dr. Dialani helped the Breast MR program to obtain ACR accreditation. This process was required for the BIDMC Breast Imaging program to receive the "ACR Certificate of Excellence". With future changes in the health care system, it will be important to critically assess utilization, and also ensure that women who need breast MR have access to it. As section chief I am very fortunate to have two such talented and dedicated individuals on my team.



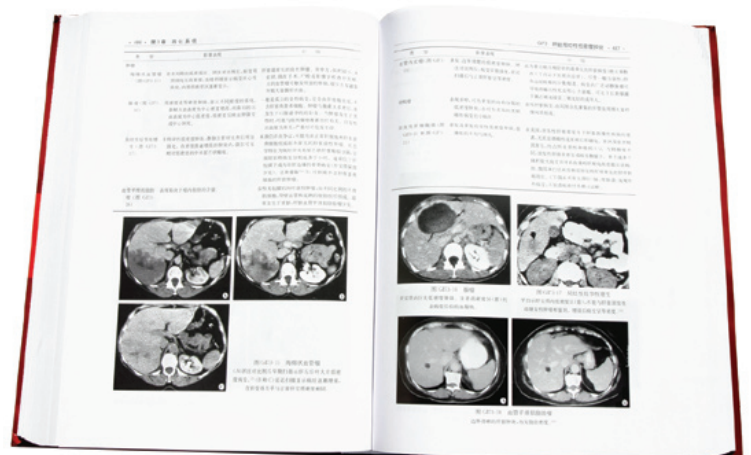
Vandana Dialani, MD  
Director, Breast MR

- Tejas Mehta, Chief of Breast Imaging [Thanks to Michael Fein for photos]

### ➤ Congratulations Ron Eisenberg on the publication of his textbook in Chinese!



Considered a MUST HAVE book for the radiology oral boards, the fifth edition of *Clinical Imaging: An Atlas of Differential Diagnosis* was published in 2009 and according to Amazon.com: ... this atlas guides readers through the



interpretation of abnormalities on radiographs. The emphasis on pattern recognition reflects radiologists' day-to-day needs...and is invaluable for board preparation. A companion Website allows you to assess and further sharpen your diagnostic skills. Now, a new edition has been published in Chinese in a great outreach effort!

# Radiology Calendar October 2013

Mon	Tues	Wed	Thurs	Fri
<p>Weekly Mon Section Meetings: 3:00-4:00 ED section meeting (monthly) [ED annex, WCC]</p>	<p><b>1</b> 7:30 - 8:15 Vascular Pathology 1 (Rafael Rojas) 8:15-9:00 Neuroradiology - Vascular case conference (Iris Bonilla-Yoon, Neuro Fellow)</p>	<p><b>2</b> 7:30 - 9:00 Physics - (Tony Parker) Estimating Cancer Risk from Imaging Procedures [Module #4 in Radiation Protection]  Weekly Wed Section Meetings: 11:00-12:00 MSK clinical conf 12:00-1:00 CardioThoracic, GI/GU Oncology 3:00-4:00 Mammo [TCC-484] 5:00-6:00 MRI Physics Course [Ansin 220]</p>	<p><b>3</b> 7:30 - 8:15 Vascular Pathology 2 (Rafael Rojas) 8:15 - 9:00 Vascular case conference (Sachin Pandey)  Weekly Thurs Section Meetings: 12:00 - 1:30 Abd [WCC-354] 12:00-1:00 MSK <b>2:00-3:00 West MedRads -Senior Resident [TCC 484]</b></p>	<p><b>4</b> 12:00-1:00 Grand Rounds: "Dual Energy CT: Abdominal Implications" - Desiree Morgan, MD [Sherman Auditorium]</p>
<p><b>7</b> 7:30 - 9:00 Mammo (TBD)</p>	<p><b>8</b> 7:30 - 9:00 Mammo (TBD)  10:30-11:30 NMMI meeting [GZ-103]</p>	<p><b>9</b> 7:15 - 8:00 US meeting (WCC-304A Gallery)  7:30 - 9:00 Mammo (TBD)  5:00-6:00 MRI Physics Course [Ansin 220]</p>	<p><b>10</b> 7:30 - 9:00 Mammo (TBD)</p>	<p><b>11</b> 12:00-1:00 Grand Rounds: Chiefs' Rounds</p>
<p><b>14</b> Columbus Day</p>	<p><b>15</b> 7:30 - 9:00 Professionalism (Program Directors)  8:00-9:00 IR Meeting [West Recovery]</p>	<p><b>16</b> 7:30 - 9:00 Physics (Matt Palmer) [Digital X-ray imaging]  5:00-6:00 MRI Physics Course [Ansin 220]</p>	<p><b>17</b> 7:30 - 8:15 Tumors and tumor-like conditions - 1 (Rafael Rojas) 8:15 - 9:00 Neuro - Case Conference (Fellow)  <b>2:00-3:00 West MedRads -Senior Resident [TCC 484]</b></p>	<p><b>18</b> No Grand Rounds: NERRS 3:30 pm</p>
<p><b>21</b> 7:30 -9:00 Cardiac (TBD)  12:00-1:00 Mentorship Meeting: HMS Faculty Development/Diversity Initiatives &amp; New Policies (Phillip Boiselle) [Shapiro (TCC)-484]</p>	<p><b>22</b> 7:30 -9:00 Cardiac (TBD)  10:30-11:30 NMMI meeting [GZ-103]</p>	<p><b>23</b> 7:30 -9:00 Cardiac (TBD)  5:00-6:00 MRI Physics Course [Ansin 220]</p>	<p><b>24</b> 7:30 -9:00 Cardiac (TBD)</p>	<p><b>25</b> 12:00-1:00 Sven Paulin Lecture "Cardiovascular MRI/CT: From Patients to Populations" - David Bluemke [Sherman Auditorium]</p>
<p><b>28</b> 7:30 - 9:00 Nuclear Medicine (TBD)</p>	<p><b>29</b> 7:30 - 9:00 Nuclear Medicine (TBD)</p>	<p><b>30</b> 7:30 - 9:00 Physics (Matt Palmer) [Radiographic Image Receptors]  5:00-6:00 MRI Physics Course [Ansin 220]</p>	<p><b>31</b> <b>2:00-3:00 West MedRads -Senior Resident [TCC 484]</b></p>	

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

21 - Oct	<b>HMS Faculty Development/Diversity Initiatives and New Policies</b> – a view from the Dean's office – Phillip Boiselle
4 - Nov	<b>CV workshop: how to best show the work you have done, and ideas for how to expand your academic profile.</b> – Deborah Levine
9 - Dec	<b>What the radiologist needs to know about malpractice, Part II</b> – Ronald Eisenberg

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

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



## DEPARTMENTAL Grand Rounds



Friday, October 4, 2013  
12 noon - 1:00 PM • Sherman Auditorium

### Dual Energy CT: Abdominal Implications

**Desiree E. Morgan, MD** - Vice Chair for Clinical Research, Director of MRI, University of Alabama Hospitals and Clinics • Professor of Radiology, University of Alabama (UAB) at Birmingham

Dr. Morgan earned her undergraduate degree in microbiology and her medical degree from the University of Georgia at Athens and completed an internship and residency in diagnostic radiology at UAB in Birmingham. Upon graduation, she joined the radiology staff at UAB in 1993 and rose to Professor in 2007. In 2009, she became Vice Chair of Clinical Research at the UAB School of Medicine and Director of the Human Imaging Shared Facility of the UAB Comprehensive Cancer Center (UAB CCC). Since 2010, she has also served as Senior Scientist of the Experimental Therapeutics Program at UAB CCC. Currently, she is the Igor Laufer Visiting Professor of the Society of Abdominal Radiology. Dual energy CT applications is a major research focus for Dr. Morgan which she has presented across the country.



Friday, October 25, 2013  
12 noon - 1:00 PM • Sherman Auditorium

### 7th Annual Sven Paulin Lecture: Cardiovascular MRI/CT: From Patients to Populations

**David Bluemke, MD, PhD, MSB** - Radiologist-in-Chief, NIH Clinical Center; Senior Investigator - NIBIB, Bethesda, MD • Professor of Diagnostic Radiology and Medicine, Johns Hopkins University School of Medicine, Baltimore

Dr. Bluemke began his career in science and medicine with a BS in chemical engineering from the University of Wisconsin at Madison; followed by a PhD in biophysics and MD from the University of Chicago. He completed residency in diagnostic radiology and cross-sectional fellowship training at Johns Hopkins in Baltimore and stayed on as radiology staff in 1993, becoming Professor of both Radiology and Medicine in 2006. In 2008, he became Radiologist-in-Chief of the National Institutes of Health Clinical Center. He also earned a Master of Science in Business at Johns Hopkins University before completing the NIH Executive Leadership Program in 2011. Currently, in addition to serving as a senior investigator at the National Institute for Biomedical Imaging and Bioengineering, he is also an Adjunct Investigator at the National Heart, Lung and Blood Institute (NHLBI) and the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK). To date he has published more than 448 peer-reviewed research articles and 76 educational articles.



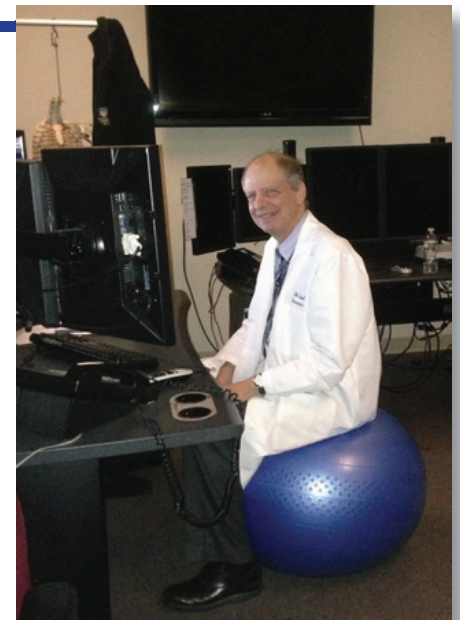
**Sven Paulin Retirement Celebration** - Immediately following Dr. Bluemke's lecture, please join us on Shapiro 10 (Rabkin Board Room) for a reception to celebrate Dr. Sven Paulin's retirement after 43 years of inestimable service!

## DEPARTMENTAL News (cont'd)



Many thanks to 1st yr residents **Jawad Hussain (l)** and **Drew Colucci (r)** for their tremendous efforts organizing us into a warm and well-dressed department!

1st yr resident Jawad Hussain is also piloting an Ergonomics Initiative by introducing exercise balls in the reading rooms as an alternative to conventional office chairs. These balls can offer a safe, non-distracting way to strengthen the core and dissipate excess "nervous energy" that may accumulate after hours at the workstation. Look for them in your reading rooms in the near future and tell Jawad what you think, any feedback is appreciated. And thanks to Dr. Eisenberg for modeling!

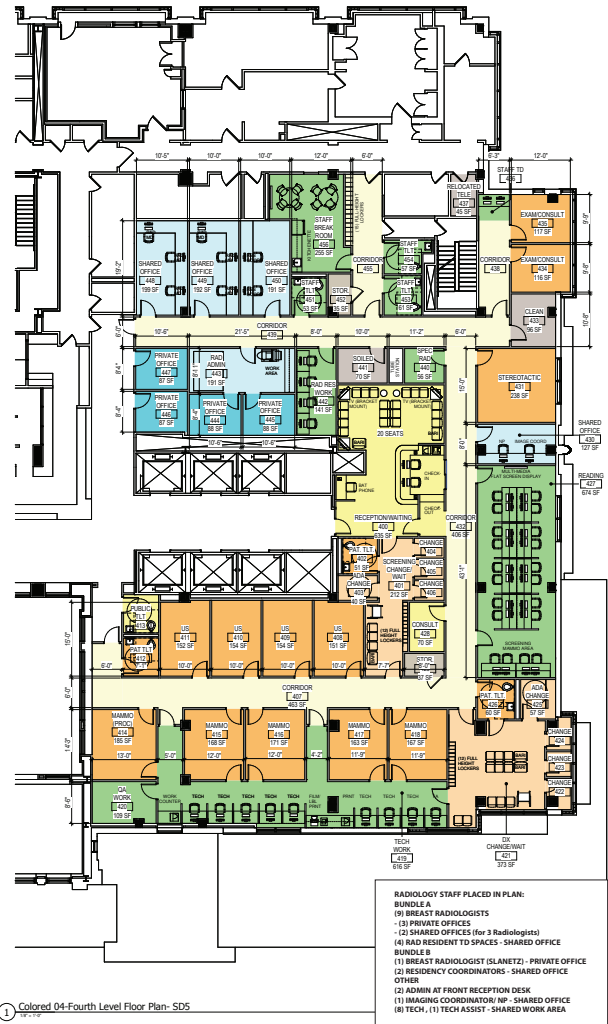


**DEPARTMENTAL News (cont'd)**

➤ **New Integrated Breast Center!**

As you may have heard, on Thursday Sept. 12, 2013, we agreed to move forward with plans for the New Integrated Breast Center. There will be 2 exam rooms in Breast Imaging area (TCC 4th floor) so that patients with dual imaging and breast care appointments will no longer have to travel between floors. The 5th floor clinic will remain with some renovations as well. I believe this arrangement will be a HUGE improvement to what we have:

- 1) Patient flow will be smoother and more efficient
- 2) Diagnostic patients will have a nice waiting room with windows
- 3) All patients will have a separate check-in for breast
- 4) All mammo units will be clustered – to improve efficiency
- 5) All technologists will be together so that everyone can assist each other
- 6) There will be one reading room so that the radiologists can also be more efficient
- 7) We will have the much needed extra ultrasound unit
- 8) Technologists will have an appropriate lounge and place to keep their belongings
- 9) All the breast imagers offices will be clustered to allow for ease for collaboration



Integrated Breast Center  
 BIDMC  
 SEPTEMBER 6, 2013

NOT FOR CONSTRUCTION

HSA NO: 3056-003-01

FINAL SCHEMATIC DESIGN - FOURTH LEVEL

CONSTRUCTION DOCUMENTS

Schematic Design Review 5

The list goes on but we were able to achieve all the goals we had when we started this discussion.

Although we (mammo group) will make minor adjustments, this floor plan will give you an idea of what is coming. *We won't be as famous as John Hancock but the occasion for Donna Hallett and me was close to being as momentous as the signing of the Declaration of Independence was for John Hancock!*

Thanks to Dr. Kruskal for his behind the scenes support for these discussions.

– Tejas Mehta, Chief of Breast Imaging





## RESIDENCY NEWS - Announcing HSQIC



Liz Asch, Resident QI Director

Hi everyone,

I'm writing to let you know about the new HouseStaff Quality Improvement Council (HSQIC). Previously, there was no formal resident QI committee at the hospital-level. Now there is a formal hospital-wide group of residents at BIDMC that can help provide input on Quality Improvement (QI) and Patient Safety initiatives at the institution level.

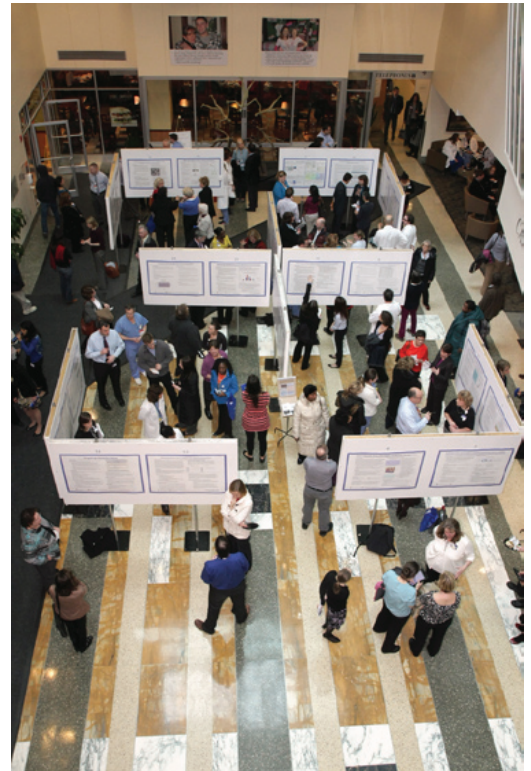
Currently, HSQIC is made up of over 20 residents from the divisions of Internal Medicine, General Surgery, Neurology, Psychiatry, Emergency Medicine, Podiatry, Anesthesia, Radiology, Obstetrics and Gynecology, Pathology as well as fellows from Hematology/Oncology, Geriatrics, Infectious Disease, Renal and Cardiology/Electrophysiology. We are a self-governed group led by residents David Lucier and Andy Hale, and faculty advisor Anjala Tess. We have full organizational support from the leaders of the Division of Healthcare Quality and the General Medical Education Office.

The group has been designed to provide the following services to BIDMC and housestaff:

- 1) Serve as a confidential forum through which housestaff can report issues of quality, patient safety or the learning environment
- 2) Empower residents to take an active role in the QI process at BIDMC through consultations on BIDMC QI initiatives and developing projects and initiatives
- 3) Educate housestaff on quality improvement and patient safety
- 4) Provide career development advice and opportunities in quality improvement

If you are interested in learning more about HSQIC, please let me know! We would love to get more residents and fellows from our department involved. In addition, you can email the group's listserv "Housestaff QI Council".

-Liz



2013 Silverman Quality Symposium, BIDMC TCC

## The Gallery

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

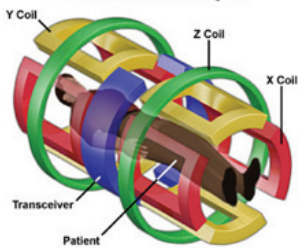


*Liz Asch,*

*Photographer & Traveller*

*Inspired by IR Admin Asst Maxima Baudissin's travel diary of her recent trips to Paris and Munich, 4th yr resident **Liz Asch** will be displaying her photos in mid-October, once she gets through her Boards!*

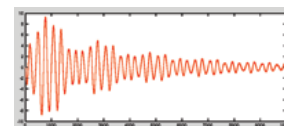
Many thanks to all who dropped by to view Maxima's show. It is very heartening to see the Gallery being so appreciated! As always, please contact Donna Wolfe if you, too would like to share your photos, paintings or sculptures: [dwolfe@bidmc.harvard.edu](mailto:dwolfe@bidmc.harvard.edu) or 4-2515



National High Magnetic Field Laboratory

BIDMC

# Radiology Residents & Fellows MRI Physics Course



2013-2014 Academic Year

## Purpose:

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

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

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

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

## TOPICS

### Lectures 10-13: Fundamentals of MR imaging

**October 2, 2013:** Artifacts and troubleshooting.

**October 9, 2013:** Accelerated imaging. Parallel imaging and compressed sensing.

**October 16, 2013:** Spectroscopy with applications to neuro, breast and prostate.

**October 23, 2013:** *Hands-on session 2.* Protocol optimization with basic pulse sequences.

### Lectures 14-19: Practical applications, advanced topics & current research at BIDMC

**October 30, 2013:** MR Angiography

**November 6, 2013:** Cardiac MRI

**November 13, 2013:** Topics in multinuclear imaging: Hyperpolarized <sup>13</sup>C and metabolic imaging; <sup>31</sup>P and <sup>23</sup>Na.

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

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

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

Even if you missed the standing room only sessions held in July and August, you are still welcome to attend sessions 10-19!

BIDMC Radiology is proud to present

## Best in Practice MRI Lecture Series 2013

Quarterly Lecture presented by David Alsop:

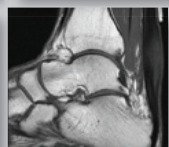
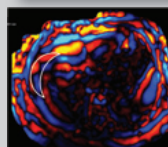
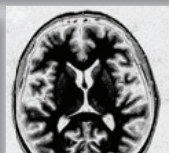
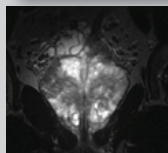
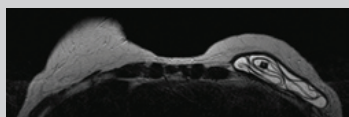
**Applications for Diffusion Weighted Imaging in MRI**

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

For more information, contact Lois Gilden Tel: 617-667-0299

Email: [lgilden@bidmc.harvard.edu](mailto:lgilden@bidmc.harvard.edu)

Wednesday  
October 9th  
2:30 - 3:30 pm  
Sherman 10  
Conference  
Room, BIDMC





## KOMMUNITY KORNER: Lexington

482 Bedford St., Lexington, MA • (781) 528-2400



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

This month's **Look Behind the Lead** features BIDHC-Lexington, a tidy, brick building located in a bucolic New England town. The Medical Care Center (as it was originally called) is celebrating its 20th anniversary next month and I went there to meet Jan Carpenter and Judy Farina, radiology co-managers and their delightful staff. Jan will also be celebrating her 20th anniversary with BIDMC in April.



Jan Carpenter and Judy Farina enjoy their office enhanced with photos by Dr. Peter Gross.

She was recruited as an ultrasonographer from Newton-Wellesley Hospital by our own Dr. Max Rosen. Within three months, Jan became one of the radiology managers. Judy is not far behind with 18 years

here at BIDMC, having come with 10 years' experience at Harvard Vanguard. Lexington is unique in that it owns space with Boston Children's Hospital. Radiology services both the adult outpatients from BIDMC and the pediatric patients from Children's. That being said, there are two PACS systems, two HIS/RIS, two separate CR systems, two sets of protocols and two budgets. If I were a pluviophile (a lover of rain), I might consider this an ark full of pairs!

**"So, how does running two radiology departments in one work," I asked?**

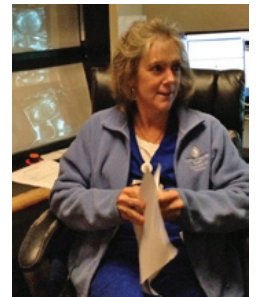
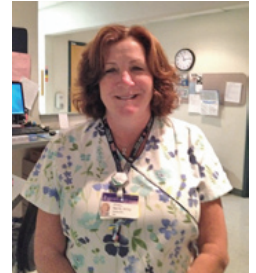
They explained the two very unique patient populations, the bedside manner needed for each, the stark and different imaging protocols and standards as being unique and different. Most of the diagnostic technologists are cross trained in diagnostic x-ray and breast imaging. The Sonographers all have pediatric and adult experience and can easily switch gears to follow the appropriate protocols established by both institutions. All staff went through training at Boston Children's Hospital. In addition to reporting to two big, teaching, research hospitals, Jan and Judy have responsibilities within the facility itself. At the helm is the marvelous Beatrice Ford, Director of Operations for BIDHC-Lexington. All of these women take turns being on call for the whole facility whether it be network issues, power failures or problems with the building.

**"How do you co-manage a department together?"**

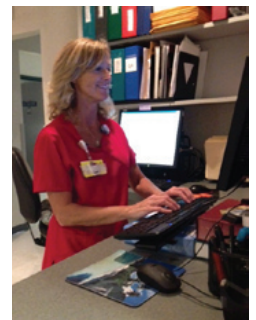
The answer was as unique as their roles and the department itself. Each has clinical responsibilities in their respective modalities, Jan in ultrasound and Judy in mammography, Jan working one day at Children's Hospital and Judy one day at our Chelsea site. Very much like a synergistic, married couple, they share similar management ethics, support one another... *as well as finish each other's sentences.* When it comes to differences in opinion, they never hold a grudge and as Judy eloquently reflected, "We just figure it out".



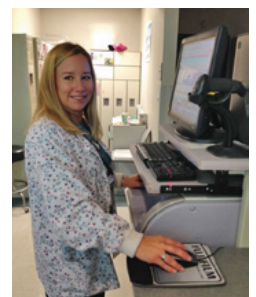
When asked what makes Lexington Radiology so successful, they simultaneously said, "the radiology staff". With a total of twenty-one staff, including Chelsea, there is a mix of technologists, sonographers, practice representatives, imaging coordinator and of course, Dr. Peter Gross. Judy and Janet mentioned, "not only do we hold them to a high standard, but they hold themselves to a high standard". In meeting with the staff, their love of their jobs and patients, and the close bonds they have built with one another was readily apparent. As Suzanne McWeeney offered, "It's one big, happy family 40-hours per week".



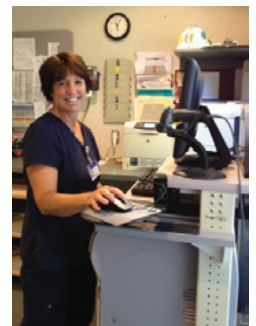
"Going above and beyond to provide an excellent patient experience"; "being a team player" and "having a sense of humor" are common themes among their shared values, all of which are confirmed by the many compliments and positive feedback Jan and Judy receive from their patients.



The camaraderie and caring evident at work, also spills over into their personal lives. They frequently share birthday parties, baby showers and holiday parties with one another. Need a dress? There is always someone available to lend three or four. Need a video skit performed for a staff member, they're on it. A charity bike ride to raise money and awareness for those with neurofibromatosis, is a cause near and dear to Kate Duff's heart. Each year the radiology staff supports Kate by donating, volunteering, cheerleading and riding in a true testament to their commitment to one another at work and beyond. As Maureen Lynch said, "It's the mutual admiration club".



With Lexington Radiology, we celebrate our strong ties, mission and commitment to our patients as well as to one another. If you find yourself in the Lexington community stop in, they love company and you will experience first-hand their warm, inviting staff. And maybe, if you're lucky, you will debut in their next video or be invited to their next gathering.





## More Community News



The Life is Good Playmakers Event held Sept. 12th at The Street in Chestnut Hill. The Chestnut Hill Shopping Center has been renamed "The Street" – intended as a "destination stop" for all age groups. We participated in last evening's event with a table displaying information for Community Breast Imaging – jump starting October Breast Cancer Awareness month with a raffle for a "Pink Item Basket"; information promoting Mass Vein Care and free screenings; as well as mini Reiki sessions – this is Marian Howes' interest and she had her own set-up for information and free mini sessions. Marian was mobbed all evening with folks circling back to get their turn, including our own Vice Chair for Community Network Services, Peter Gordon!

- Jane Corey, Manager, Chestnut Hill



## Reiki

(ray-kee)

An ancient Japanese technique for stress reduction and relaxation. Reiki facilitates the body's natural ability to heal.

It has proven to be very beneficial for all living creatures.

Reiki promotes healing of physical conditions:

Muscle soreness

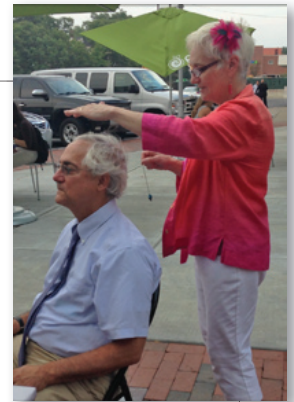
Joint pain

Before or after illness / surgery

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This ad was placed in The Brazilian Times in an innovative effort spearheaded by interventional radiologist Felipe Collares to reach out to his Portuguese community in Massachusetts. We placed these ads for 4 weeks running on Fridays only in the paper that presents the weekend festivities throughout the Brazilian and Portuguese speaking Community. So far we have scheduled 13 appointments for screenings and anticipate that some will move on to schedule their treatments. This has been a great way to reach out to a population sometimes limited by a language barrier!

**KUDOS** - Each month, we share the positive feedback we receive about staff members and ask you to join us in congratulating them but this month, we are especially proud to acknowledge an unprecedented constellation of staff for providing outstanding care and service!

#### CT

- **Linda Benasky** provides exceptional patient care and customer service. A patient who recently underwent a Virtual Colonoscopy had a number of concerns and afterwards reflected on Linda's performance and said Linda provided the exceptional level care that she expects to receive at BIDMC.
- Scanning a routine brain **Kim Provencher** noticed a small subdural hematoma on a patient with hemophilia. She called us right away, and we were able to contact the referring physician and get the patient sent to the ED right then. All because of a tech careful enough to look and smart enough to understand what she saw. This makes a big difference. Thanks Kim! - David B. Hackney, MD
- **Kristen Hill** is recognized for her outstanding assistance in helping triage patients from the 3rd floor to the ED CT suite during days that she has picked up to help out.
- **Gary LaFlamme** is recognized by for being able to perform all aspects of his job. It was noted on one particularly busy day Gary was covering the Imaging lab and seamlessly stepped out of the lab and into an RF procedure at the end of the day, quietly, calmly and without hesitation.
- **Michael Jones** recently had his schedule moved to the Shapiro clinic and has demonstrated a positive and professional attitude while learning the workflow and intricacies of Cardiac Imaging.
- **Patty Peters** has a consistently positive attitude and impact on the overall workplace environment.
- **Janet Riley** continues her leadership at the east campus and has assisted with the implementation of the Exam Split project.
- **Carol Wilcox** has lead in organizing and implementing the Chest Exam Split project. Carol took this project on from day one: helped test initial applications, made purchasing recommendations, and completed a full one on one training program.

#### US

- **Juanita Cook** has provided great support for the Idea Team.
- **Michael DeAngelis** has provided extra support for department by working extra shifts during LOAs.

#### SUPPORT SERVICES

- **Danielle Warren** has demonstrated a commitment to service excellence by being proactive in helping out the supervisor over the past several months when we have had staffing challenges in the schedule office. Danielle has taken the initiative to assist with training new/interns staff, updating internal forms and prep information used to schedule exams, while meeting and exceeding the call volume expectation. Danielle is to be commended for her service excellence to both our customers and her teammates.
- **Mary Finley** and **Scott Gillespie** have done a wonderful job in the department's efforts to have our patients experience quality service during their interaction at the reception desk and waiting areas. This team has consistently provided our customers with excellent service. We have received positive feedbacks from our patients and the mystery shop process have confirmed the wonderful job they are doing.
- Over the past two months, **Rochelle Antone-Robinson** has been providing additional coverage in the absence of her manager along with her job responsibilities. In doing so, Rochelle has been very effective in handling the day to day responsibilities of the support services group.

#### HMFP ADMINISTRATION

- During the upgrade of Experian, a few glitches were discovered by our Radiology Coder, **Kerri Robicheau** who worked with the programmers and other key personnel to resolve the problem. These issues would have impacted the timeliness of the billing process, reimbursement and the overall productivity.

#### IR/INR

- **Kali Wilson** and **Benjamin Delahanty** for going above and beyond, staying late and coming in early when needed for patient care.





# Employee Service Awards -

were celebrated September 6, 2013 with a ceremony to Thank you for your hard work and dedication over the years! Please contact Michael Larson for individual photos ([mlarson1@bidmc.harvard.edu](mailto:mlarson1@bidmc.harvard.edu))



## 5 Years

Abraham Abraham  
 Jeannette Aitelhadj  
 Kimberly Antonellis  
 Eboni Baptiste  
 Rafeeqe Bhadelia, MD  
 Lisa Brouillette  
 Zachary Bubar  
 Melissa Carvalho  
 Elise Cook  
 Emily DeFalco  
 Jacqueline DePeiza  
 Feng Dong  
 Judith Eames  
 Ronald Eisenberg, MD  
 Lauren Fitzgerald  
 Stephen Flaherty  
 Cecilia Glykys  
 Deborah Grophear  
 Vanessa Irwin  
 Atara Korik  
 Richard Le Maitre

Christine Livingston  
 Gloria Martinez  
 Gul Moonis, MD  
 Diana Moran  
 Nicholas Mott  
 Christine Orena  
 Nagamani Peri, MD  
 Sarah Porter  
 Alexander Raymond  
 Verneak Robinson-Haynes  
 Rafael Rojas, MD  
 Janneth Romero, MD  
 Stephen Seabrook  
 Sejal Shah, MD  
 Lori Shaw  
 Raghda Tabbara  
 Yolette Thelusma  
 Shambhavi Venkataraman, MD  
 Jesse Wei, MD  
 Tawana Young

## 10 Years

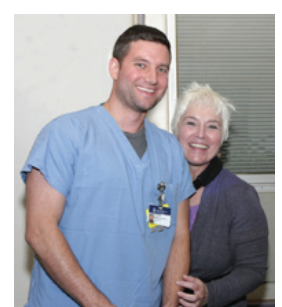
Kathryn Awalt  
 Daniel Bradley  
 Vicki Chase  
 Lois Gilden  
 Bryan Hamilton  
 Gary Laflamme  
 Karen Lee, MD  
 Tammy Lynch  
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 David Manyok  
 Moira Murphy  
 Jonas Okoye  
 Tim Parritt  
 Acelia Pluiose  
 Bettina Siewert, MD  
 Aaron Thurston



Photo credit: Michael Larson

## 15 Years

Andrea Baxter  
 Janet Boris  
 Stephen Grant  
 Tejas Mehta, MD  
 Irene Nerden  
 Blaitthin O'Hanlon  
 Laura Perry, MD





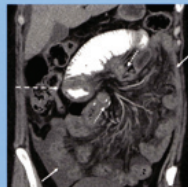
**PUBLICATION CALL OUT:**

**Andrew Bennett's Guest Editor Issue of *Seminars in Ultrasound CT and MRI***

Imagine an entire issue featuring articles from BIDMC alumni and current staff!



VOL 34, NO 4  
AUGUST 2013



*Seminars in*  
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Editors:  
Howard W. Raymond, MD  
Joel D. Swartz, MD  
Gabriela Gayer, MD

**Imaging of Contemporary  
Gastrointestinal Interventions**

Guest Editor - Andrew E. Bennett, MD, PhD

- The Diagnostic and Therapeutic Role of Imaging in Postoperative Complications of Esophageal Surgery
- Ileal Pouch-Anal Anastomosis Surgery: Anatomy, Postoperative Complications, and Image-Guided Intervention
- Imaging Features of Bariatric Surgery and its Complications
- Magnetic Resonance Imaging of the Postoperative Pancreas
- Imaging Features Following Transarterial Chemoembolization and Radiofrequency Ablation of Hepatocellular Carcinoma
- Diagnostic Radiology of Transjugular Intrahepatic Portosystemic Shunts
- Imaging of Liver Transplant and its Complications

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**Imaging of Contemporary Gastrointestinal Interventions**

**VOL 34, NO 4**

**AUGUST 2013**

**Table of Contents**

Letter From the Guest Editor .....	<i>Andrew E. Bennett</i>	287
The Diagnostic and Therapeutic Role of Imaging in Postoperative Complications of Esophageal Surgery .....	<i>Christina A. LeBedis, David R. Penn, Jennifer W. Uyeda, Akira M. Murakami, Jorge A. Soto, and Avneesh Gupta</i>	288
Ileal Pouch-Anal Anastomosis Surgery: Anatomy, Postoperative Complications, and Image-Guided Intervention .....	<i>Jennifer W. Uyeda, Christina A. LeBedis, David R. Penn, Akira M. Murakami, Vijay Ramalingam, Stephan W. Anderson, Jorge A. Soto, and Avneesh Gupta</i>	299
Imaging Features of Bariatric Surgery and its Complications .....	<i>Jennifer Ni Mhuirheartaigh, Sami Abedin, Andrew E. Bennett, and Girish Tyagi</i>	311
Magnetic Resonance Imaging of the Postoperative Pancreas .....	<i>Olga R. Brook, Sami Abedin, and Koenraad J. Mortele</i>	325
Imaging Features Following Transarterial Chemoembolization and Radiofrequency Ablation of Hepatocellular Carcinoma .....	<i>Ian M. Brennan and Muneeb Ahmed</i>	336
Diagnostic Radiology of Transjugular Intrahepatic Portosystemic Shunts .....	<i>Deirdre E. Moran, Andrew E. Bennett, and Robert G. Sheiman</i>	352
Imaging of Liver Transplant and its Complications .....	<i>Genta Dani, Maryellen R. M. Sun, and Andrew E. Bennett</i>	365

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Medical Student Clerkship Director  
Assistant Professor of Radiology, Boston University School of Medicine

**Avneesh Gupta, MD** - Body Imaging Staff;  
Residency Program Director &  
Director, Abdominal Imaging Fellowship Clinical Associate Professor of Radiology, Boston University School of Medicine

**Stephan W. Anderson, MD** - Body Imaging Staff; Assistant Professor of Radiology, Boston University School of Medicine

**Jennifer Ni Mhuirheartaigh, MD** - MSK Fellow, BIDMC

**Sami Abedin, MD** - Private practice, XRA Medical Imaging Centers, Cranston, Rhode Island

**Deirdre E. Moran, MD** - Breast Imaging Fellow, BIDMC

**Genta Dani, MD** - Staff radiologist, VA Medical Center, Charleston, SC

Current BIDMC Staff - **Muneeb Ahmed, Andrew Bennett, Ian Brennan, Olga R. Brook, Koenraad Mortele, Robert Sheiman, Maryellen Sun, Girish Tyagi.**



## Letter From the Guest Editor

The theme of this issue of *Seminars in Ultrasound, CT, and MRI* is the role of modern cross-sectional imaging in the assessment of anatomy and complications of contemporary gastrointestinal interventions.

Barium studies remain important in the study of postoperative bowel anatomy. However, particularly in the acute setting, modern multidetector computed tomography (CT) is most often the first-line test for assessing bowel anatomy and postoperative complications. Because of its volumetric capability, modern multidetector CT, including multiplanar reformations, provides a highly detailed depiction of bowel anatomy, facilitating recognition of entities that may be difficult-to-diagnose, such as postoperative internal hernias. However, ultrasound and magnetic resonance (MR) are also important, particularly for certain applications which are also illustrated among these articles.

Several articles in this issue explore aspects of how modern CT techniques and other modalities may be applied to understanding postoperative complications after bowel surgery. **Dr Christina LeBedis** and colleagues explore the contemporary role of imaging in assessing postoperative anatomy after esophageal surgery, focusing primarily on Nissen fundoplication and esophagectomy with gastric pull-up as paradigms of esophageal surgery for treatment of both benign and malignant diseases. Dr Jennifer Uyeda and colleagues focus on an important example of modern bowel surgery, total proctocolectomy with ileal pouch-anal anastomosis, which has become the surgery of choice for chronic ulcerative colitis and familial adenomatous polyposis. In addition to highlighting anatomical correlation and the utility of CT in postoperative evaluation, these papers also discuss the important role that percutaneous interventions now play in treating complications using cross-sectional imaging for guidance. **Dr Nimhuirchairtaigh** and colleagues review the current role of diagnostic radiology in assessing the 3 most important types of bariatric surgery now in common use, gastric banding, Roux-en-Y gastric bypass, and sleeve gastrectomy, a newer surgical procedure. All 3 are now commonly offered to patients who are candidates for weight-loss surgery.

MR is less commonly used to understand postoperative anatomy compared with CT, but **Dr Brook** and colleagues illustrate the power of MR by showing how it can be applied to evaluating the postoperative pancreas. In particular, modern MR cholangiopancreatography technique, including secretin MR cholangiopancreatography, provides detailed evaluation of postoperative pancreatic ductal anatomy. These authors also review the variety of surgeries that are applied to the pancreas for treatment of both benign and malignant diseases.

The overall trend in gastrointestinal intervention is toward minimally invasive surgeries and procedures. Many surgeries are now routinely performed with laparoscopy, including all of the major types of bariatric surgery. Likewise, there is a trend toward increased use of percutaneous and endoscopic interventions as alternatives to surgery. **Brennan** and **Ahmed** discuss the current role of cross-sectional imaging in the follow-up of locoregional treatment of hepatocellular carcinoma, including percutaneous techniques such as radiofrequency ablation. Another example of minimally invasive treatment is the transjugular intrahepatic portosystemic shunt (TIPS) shunt for treatment of portal hypertension in advanced liver disease. **Moran** et al provide a review of noninvasive imaging evaluation of TIPS, focusing on the continued key role of ultrasound in the era of cover stents, which have become widespread in the last 10 years and dramatically improved long-term patency rates. Ultrasound remains the most important modality in assessing TIPS, although the optimal way to apply it to the care of patients remains uncertain. Also highlighting the continued importance of ultrasound, **Dani** and colleagues review the current role of diagnostic imaging in evaluating liver transplant and its complications.

It was a great pleasure to participate in facilitating this issue of *Seminars*. I hope that readers find the articles interesting and informative. I would like to express my gratitude to Dr Howard Raymond for the opportunity to serve as the guest editor. Many thanks also to Ms Dana Roth for editorial support.

Andrew E. Bennett, MD, PhD  
Guest Editor

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

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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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1: Hall FM. Digital mammography versus full-field digital mammography. *AJR Am J Roentgenol*. 2012 Jan;198(1):240. PubMed PMID: 22194503.

2: Hall FM, Glynn CG, Farria DM, Monsees BS, Salcman JT, Wiele KN. Transition to digital mammography. *Radiology*. 2012 Jan;262(1):374. PubMed PMID: 22190668.

3: Hall FM, Yue JJ, Murtagh RD, Quencer RM, Castellvi AE. Transpedicular fusions and lice. *Radiology*. 2012 Jan;262(1):372. PubMed PMID: 22190666.

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