Message from our Chair

Dear Radiology Team Members,

First of all, I’d like to thank everyone for the work you do each day on behalf of our patients. Radiology plays a critical role in Dartmouth-Hitchcock’s goal to create a sustainable health system. Timely, appropriate and superbly performed imaging studies and procedures provide tremendous value for our patients, lowering the cost of care and improving outcomes.

Second, I’d like to publicly thank the individuals who have stepped up as I have been balancing the roles of Department Chair and Interim Chief Clinical Officer over the past 2 months. Our Director, Karen Buttrey, and the entire management team, including Chriss Kvinlaug, Kim Owens, Phyllis Michaels, Casey Grigsby and Lorraine Nichols continue to work hard on all of our behalf. The work they do and decisions they are asked to make are not easy, but is so important to getting our system to the next level.

On the physician side, Jocelyn Chertoff, Petra Lewis, Alan Siegel and Yvonne Cheung have shouldered much of the day-to-day management of the department over the past 8 weeks. I am grateful for all of their help and support.

I also appreciate the high departmental response rate to the Engagement Survey. The results will begin to be shared at the end of this month and will be important to understand what action we can take as a department and organization to help address the concerns our employees have raised.

Again, thank you for everything you do for our patients each day.

Cliff Belden

Mission Statement

The Department of Radiology, in concert with the entire medical, academic and research staff of Dartmouth-Hitchcock, seeks to lead the transformation of health care in our region, setting the standard for our nation in achieving the healthiest population possible. Through research, education, clinical practice and community partnerships, we are committed to the mission of advancing health, providing each person the best care, in the right place, at the right time, every time.

“Unity is strength... when there is teamwork and collaboration, wonderful things can be achieved.”

-Mattie Stepanek

Inside this issue:

Outreach Services 2
New Faces 2
New Faces 3
Outreach/IT Happenings 4
Best Wishes 5
Upcoming Events 6
Quality Day 7
Congratulations 8
Academic Achievements 9
Research/Grants 10
Lorraine Nichols joined the Radiology IT Team on February 17th as the Radiology Systems Manager. Lorraine has over 30 years of Information Systems experience with the past 20 years in three different healthcare organizations. Stephanie Bogdan had been in that role previously and will be staying on as a part time employee to help the department complete various projects over the next year or so.

Bailey Johnston

Bailey joined the support staff of Radiology on March 31st as a per diem Clinical Secretary. If you are Physician or Manager with no assigned support person, Bailey can assist you with your administrative needs. She grew up in Concord, NH and recently moving back from Charleston, South Carolina. She graduated from the College of Charleston with a Bachelor degree in Sociology. Her most recent employment was as an area manager of a group of locally owned stores in Charleston. We are very pleased to have Bailey on the Secretarial Support Team!

Joseph Such

Joseph joined the IT Radiology Support Services Monday, April 14th as a Computer Specialist. Joe comes to us from the D-H IS Applications End User Support team where he has worked the past 5+ years as a PC Maintenance Technician. Since 2001, Joe has worked in various D-H departments (CTS, Medical Records) so he is very familiar with the organization. Joe will be training with Dennis Johnson and Skye Kerr and to learn all the Radiology systems that they currently support and will eventually be sharing on-call rotation for off-hours support. Joe will be sharing Skye’s office space so drop by and introduce yourself at your convenience.

Michelle Roth

Michelle has been at Dartmouth for a total of 15 years, the last 10 of which were with the Spine Center. She joins Radiology as the new GME Residency Coordinator and works closely with the Residents to coordinate their schedules and manage their day to day activities. She lives in Sunapee with her husband Bill, two children Johanna (10), John (8) and her dog Wilson. She enjoy camping, spending time with her family, and going to NASCAR races!!

Sandra Bresse

Sandra has lived in New London NH since 1994. After graduating school in 2010 she attended the NH fire academy where she became a level one certified firefighter. She is a member of the New London Fire Department as well as a volunteer member of the Wilmot Fire Department. She spends her time outside of work with her family and loved ones, whenever she can get away she travels to Hoboken, NJ to spoil her nieces. This past year she was ready for a change of pace and applied here in the fall, Sandra is so excited to be here at DHMC and happy to be part of the Imaging Center team!
New Faces in Radiology

Leah Palifka, MD

We are pleased to have Leah Palifka become an official member of the Medical Staff on July 1st. Leah will complete her Neuroradiology Fellowship here at D-H on June 30th. Leah is from Brockton, MA where her parents still live in the house she grew up in. After she completed her Master’s degree at Thayer School of Engineering, she met her husband, Robert, who is from Orford, NH, where they currently live with two wonderful boys: Zachary (5) and Nicholas (3).

James Head, MD

James joined the D-H team in March of this year. He is currently working in the Nucle- ar Medicine Stress Lab where he monitors the patient’s vital signs and EKG while they undergo a Stress Test and is also filling in reading plain films when he can. As of July 1, 2014 James will continue his training as an unaccredited Body Fellow. James was born and raised in Goldsboro, NC and has a fraternal twin brother named Joshua. We welcome James and wish him every success!

Did You Know What Happens?

When radiologists take a selfie
In July 2014, Radiology will be offering 24/7 services. In order to implement this service, 3 “ED Nighthawk” radiologists below have been hired. They will be joining us on July 7.

**Justin Lewis, MD**

Justin was raised in Indianapolis, Indiana. He graduated with high distinction from Indiana University with a major in Microbiology. He then attended Indiana University School of Medicine and was elected to Alpha Omega Alpha. Following medical school, he completed a Transitional internship at Ball Memorial Hospital in Muncie, Indiana and residency in Diagnostic Radiology at D-H. He then completed a Body Imaging and MRI fellowship at D-. Justin is married to Marie Lewis, who is completing a residency in Internal Medicine and will be practicing as a Hospitalist.

**Ruth Magera, MD, MBA**

Ruth is currently completing an Emergency Radiology Fellowship at the Massachusetts General Hospital. Her residency was completed in 2013 from the Penn State Milton S. Hershey Medical Center. She received her medical degree from Harvard Medical School in 2008.

**Omer Awan, MD**

Omer is currently completing a Musculoskeletal Imaging Fellowship at Beth Israel Deaconess Medical Center, after completing his residency in Radiology at the University of Maryland Medical System, R. Adams Cowley Shock Trauma Center in 2013. In 2008, he received his medical degree from the George Washington University School of Medicine and Health Sciences.
Best Wishes to Karen Burgess

Karen has spent over 30 years with D-H, primarily in Radiology, in varying roles and responsibilities.

Starting as a general diagnostic radiologic technologist. Within three months of hire, she welcomed the opportunity to learn the “new” mammography technique utilizing the first upright, dedicated mammography unit at D-H. Mammography became her primary passion and area of expertise, eventually evolving into the formal structure of the Breast Imaging Center as we know it today.

In 1994 she accepted the opportunity to lead a Research project—the New Hampshire Mammography Network Project at Dartmouth Medical School. During this time she continued her education and upon completion of her Master’s degree in Health Education and Health Services she accepted a consulting role for the City of Manchester NH where she launched a Wellness and Health Promotion Program for 1,500 City employees. In addition to her consulting role, in 2006 she became the Director of the Lebanon College Radiology Program working in tandem with many affiliate hospitals, including D-H.

Throughout her career, she has maintained her love of Women’s Health Services and continued to work as a per diem mammography technologist until 2008, when she become the Clinical Operations Manager for D-H-Department of Radiology.

Karen has accepted a new leadership opportunity and will begin working as a SR-Project Manager in the Office of Project management as of April 14, 2014. She will be leading several exciting new initiatives at D-H.
**Upcoming Events**

May 22, 2014  IRIS—Lebanon Farmer’s Market  
May 29, 2014  Quality Day—Radiology Large Conference Room  
July 12, 2014  33rd Annual Prouty Benefitting Dartmouth-Hitchcock Norris Cotton Cancer Center

**Prouty History**

The Prouty began in 1982 when four nurses rode their bicycles 100 miles to honor an inspiring patient, Audrey Prouty. Prouty died that year, nine years after her diagnosis with ovarian cancer. That same year, a new organization emerged with the mission of supporting Dartmouth-Hitchcock Norris Cotton Cancer Center: Friends of Norris-Cotton Cancer Center. In 1982, the four nurses raised $4,000. By 2013, more than 6,000 participants and volunteers were each year teaming up with more than 100 corporate sponsors for a combined 32-year fundraising total of more than $20 million.

**The Prouty—A Note from Brendan Hickey:**

Let the games begin!

The Radiology Department has a newly listed team for the Prouty 2014. **Imaging for Life** is the name of the team and we are hoping to attract all Radiology staff, their families and friends to sign up for our team and participate in some way in the Prouty 2014. You can run, walk, golf, bike and row or you can be team support at the roadside for Prouty participants.

If you go to [http://theprouty.org/register/](http://theprouty.org/register/) to sign up, follow the directions about entering as an individual or family. On the second or third page you are asked if you want to start a team or join one and you click ‘join’. At the bottom, scroll down to **Imaging for Life** and that is the Radiology team. You can invite friends and family to join our team. The more the merrier to make this a success. If you wish to participate in some other way, please feel free to contact me and we’ll work together to make sure that everyone who is interested can contribute in a way that is meaningful to them. If you are already on a team and wish to have your team race under our banner, I think you can do that too.

Be aware that you will likely have difficulty registering from a computer at D-H that has Windows 7 as apparently the website that is run for the Prouty only takes windows 8 or newer.

If you are interested in joining our small group to help organize things for Radiology, please email me as soon as you can so we can get things going. If you planning on biking in the Prouty and have any questions about that, I’m a bit of a bike geek so I’d be happy to help if I can. If you are a runner, rower or golfer, you should see a psychiatrist. Just kidding, let me know how I can help.
Spotlight

Quality Day

The radiology department is pleased to introduce our first Quality Day, scheduled for Thursday May 29th, to celebrate our completed improvement projects in radiology. These projects have a common theme of using data driven lean 6-sigma methodology and support from black belt coaches at the Value Institute. For the department, the Quality Day represents dedicated time to recognize the work of all our colleagues who have participated so far. This is also an opportunity to learn, inspire and empower others.

The theme for this year, developed by the National Association for Healthcare Quality, is Communicating Quality: The Voice for Healthcare Improvement. For Dartmouth-Hitchcock, Quality Week represents dedicated time to recognize and celebrate the success we have had thus far, and to inspire and empower our colleagues to engage in this work. It is also an opportunity to share and spread value-based care concepts and improvements beyond the walls of our given department or area, so that other colleagues can benefit from what we’ve learned and accomplished.

Everyone is invited to join in celebrating Dartmouth-Hitchcock Quality Day.

Date: Thursday, May 29th
Time: 9:00am to 2pm

Radiology Large Conference

Help us celebrate Radiology’s achievements and ongoing efforts in Quality Improvement. Come and see the progress Radiology has made, & learn how YOU can get involved in future Quality Projects!

FEATURED PROJECTS

- VIR Throughput
- Mammography Turnaround Time
- Ultrasound: Televox & No-Shows
- MRI Root Cause Analysis
- MSK Procedure Cycle Time
Congratulations!

IRIS won the people’s choice award at the Patient Safety Fair held on March 6th. This award was presented to the booth/presentation that garnered the most interest and, the people who attended-- voted for IRIS!!

*A very special thank you* to all who volunteered to make our presence at the Safety Fair a success!! We could not have done it without your hard work.

“Coming together is a beginning; keeping together is progress; working together is success.”

-Henry Ford

The Mammography Department has received reaccreditation in Stereotactic & Ultrasound Breast Biopsy and Breast Ultrasound!
Academic Accomplishments

Jocelyn Chertoff, Cliff Belden and Casey Grigsby recently graduated from the Master of Health Care Delivery Science program from Dartmouth College. This is a unique degree program, a joint venture between the faculties of The Dartmouth Institute (TDI) for health policy and clinical practice and the Tuck School of Business. This prepares them to improve the quality and efficiency of our health care system.


Paul Hill presented: “An Unusual Primary Osseous Tumor: Desmoplastic Fibroma of the Thoracic Spine” at the ASSR meeting in Miami, Florida.

David Pastel presented researched performed with Sword Cambron and John McIntyre: “Percutaneous Rupture of Lumbar Facet Synovial Cysts: What Factors Predict Success?” at the ASSR meeting in Miami, Florida.

Jocelyn Chertoff
- Finished year as president of AUR
- Presented 4 talks at the AUR meeting
- Presented a poster at the meeting with Rob Percarpio as first author and Alan Siegel and Jocelyn were co-authors
- A solicited essay for the ACR Bulletin
- A solicited piece for JACR for the resident business curriculum
- RSNA Education Grant study section

Robert Harris
- Took 2 trips to Haiti, one in March and one in April.
- March – ACR Radiology Education Days in Port au Prince followed by field work in Les Cayes.
- April – started D-H Global Radiology Residency Elective in Mirebalais with Dr. Arash Saemi.

Nicole Lee was selected, and participated in the AUR Academic Faculty Program at the AUR National Meeting in Baltimore, Maryland.

Petra Lewis
- Received the Alliance of Clinical Educators in Radiology Achievement Award at AUR.
- Presented 2 talks and 2 workshops at the AUR.

Steven Poplack
Presented Senturia Lecture as a Visiting Professor at Mallinckrodt Inst. Of Radiology

Alan Siegel
- Presented at AUR: Percarpio RB, Siegel A, Sullivan W, Chertoff JD: Does rank order of radiology residency applicants predict future success?
- Accepted for publication in the Journal of Digital Imaging: Balkman J, Siegel A: Autopage and the Use of Computer Scripts to Automate Microtasks.
**Departmental Research Studies**

Below are the new department research studies recently approved by the Committee for the Protection of Human Subjects (CPHS). These are retrospective studies which include patient chart review and data analysis. These studies are usually preliminary and unfunded, providing pilot data for investigators to use for further research and publications.

Andrew Forauer, MD  
Robert Percarpio, MD  
Title: Review of CT-guided tumor ablation technical success and failure: a single institution experience

Douglas Goodwin, MD  
Paul Hill, MD  
Title: Prevalence of Pelvic Muscle Atrophy in Total Hip Arthroplasty Patients

Robert Harris, MD  
Paul Hill, MD  
Title: Appropriateness of Ultrasound in the Evaluation of Acute Appendicitis in all Populations

Robert Harris, MD  
Paul Hill, MD  
Title: Implications of Radiologic Diagnosis of Biliary Sludge

**New Radiology Grants**

**Title:** A Comparison of the Sensitivity of Automated Breast Ultrasound versus Targeted Breast Ultrasound in Patients with MRI-detected breast Abnormalities

**Principal Investigator:** Roberta diFlorio-Alexander, MD  
The purpose of this study is to learn about automated breast ultrasound and how it compares to standard targeted breast ultrasound as a method of imaging breast tissue and characterizing abnormalities. Unlike targeted breast ultrasound, which acquires images of a specific region of the breast using a handheld transducer, automated breast ultrasound acquires ultrasound images of the entire breast through an automated, programmed scan. One of the manufacturers of this new technology has loaned DHMC Radiology the equipment for Dr. diFlorio-Alexander to conduct this research.

**Title:** The Effects of Implementation of Flipped Classroom Instruction in Radiology on Students’ Task Value, Achievement Emotions, and Academic Success: A Comparison of Flipped Classroom Pedagogy to Traditional Didactic Instruction

**Dartmouth Principal Investigator:** Nancy J. McNulty, MD  
Flipped classroom, also known as reverse education, is a style of teaching where the traditional roles of in-classroom teaching by an instructor and self-instruction outside of the classroom by students are reversed. The goal of this multi-institutional project is to examine the influence of flipped classroom instruction on medical student’s motivational beliefs, achievement emotions, and academic success as compared those of students receiving traditional classroom instruction.

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**Meet the Sophomore Residents**

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<tr>
<th>Name</th>
<th>Medical School</th>
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<tr>
<td>Eiman Anvari</td>
<td>Philadelphia College of Osteopathic Medicine</td>
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<td>Joo Cho</td>
<td>Geisel School of Medicine at Dartmouth</td>
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<tr>
<td>Brian Girard</td>
<td>Philadelphia College of Osteopathic Medicine</td>
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<td>Akshat Pailiwal</td>
<td>Case Western Reserve University School of Medicine</td>
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<td>Trent Shelton</td>
<td>Arizona College of Osteopathic Medicine</td>
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Jessica Fried
Robert F. Jeffery Student Fellow

Jessica is the inaugural Robert F. Jeffrey Student Fellow in the Department of Radiology, engaging in a year of intensive research, clinical experiences, and educational projects. As such, Jessica has been instrumental in several research projects including the project lead for Dr. David Pastel’s grant “Lumbar MR Imaging: Does Epidemiologic Data in Radiology Reports Affect Patient Management and Outcomes”. She is also the national research assistant for the multi-site study “The effect of implementation of flipped classroom instruction in radiology on students task value, achievement emotions and academic success: a comparison of flipped-classroom pedagogy to traditional didactic instruction”. Dr. Nancy McNulty is the Dartmouth Local Investigator for this study. During her year, she also completed several clinical rotations acting as an R1 in various sections of radiology. Jessica developed and presented an educational workshop for medical students taking the Radiology Basic Elective on low back pain. In addition, she is currently mentoring junior medical students considering a career in Radiology.

Jessica is also a representative for the Geisel School of Medicine at the Association of American Medical Colleges (AAMC), where she currently serves as National Chair of the AAMC Organization of Student Representatives (OSR). She also serves on the Health Care Advisory Panel at the AAMC, which is focused this year on developing policy recommendations regarding graduate medical education.

Jessica is originally from Arcadia, California, a small suburb of Los Angeles. In 2008, she graduated Phi Beta Kappa with general honors and departmental honors in Neuroscience and a minor in Molecular Biology from Vassar College. After graduating, she served as Assistant Director of the Writing Center at Swarthmore College for one year before joining Close Concerns, a San Francisco based medical information firm focused on diabetes and obesity, where she served as a medical journalist and consultant.

During her first two years of medical school, Jessica was the Editor-in-Chief of Lifelines, the student-produced literary and art magazine of the Geisel School of Medicine, and she has served on the editorial board for Dartmouth Medicine for the past three years. Prior to her work in Radiology, she also worked as Clinical Research Coordinator and Research Assistant in the Department of Neurosurgery at D-H.

In July Jessica will begin her final year of medical training and will continue her work with ongoing research projects. She will also continue her role as the Student Director for the Radiology Student Triage Program. She will be applying to residency in Diagnostic Radiology in the fall.