



Orientation and Logistics

BRANT AND HELMS 2018-2019

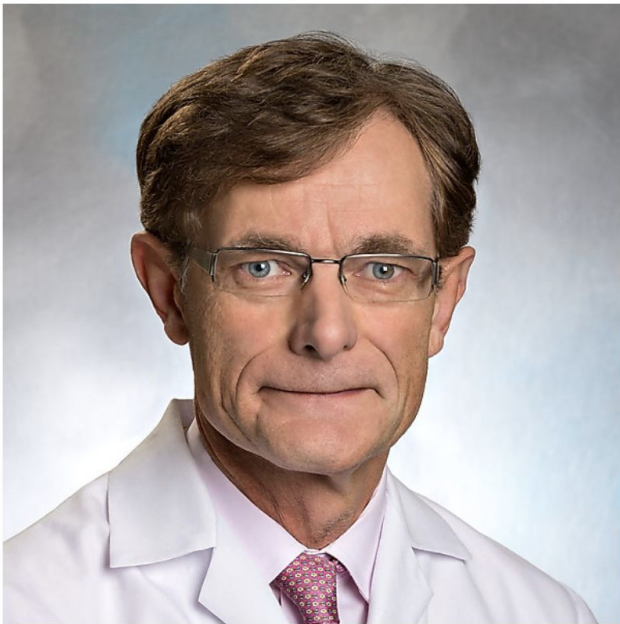
July 9, 2018

Ariadne DeSimone and Peter Schaefer

Outline

- BWH Radiology Leadership & Support Staff
- Tech tips and useful websites
- Food options
- Shuttles and transportation
- Resident benefits
- Conferences and teaching responsibilities
- Evaluations, OSCE, Feedback
- Rotations without dedicated B&H sessions

BWH Radiology Leadership



GILES W. BOLAND, MD
*Chairman, Department of
Radiology*



**WILLIAM MAYO-SMITH,
MD**
Vice-Chair of Education



**PETER DOUBILET, MD,
PHD**
Senior Vice Chair of Radiology



**CLARE MC TEMPANY,
MD**
*Vice Chair for Radiology
Research*

BWH Radiology Residency Leadership



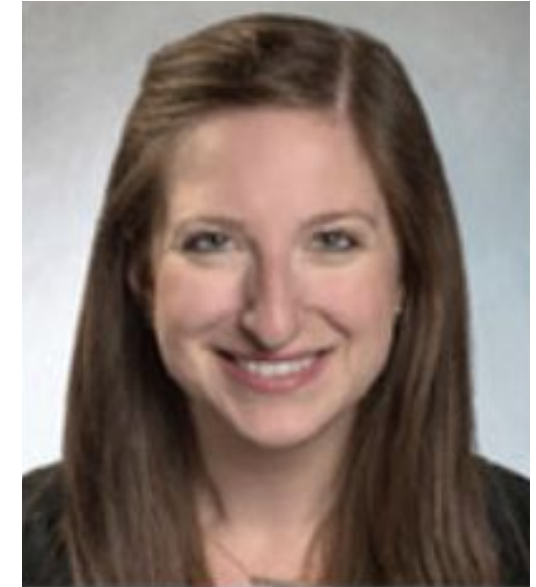
GLENN GAVIOLA, MD
Residency Program Director



Sona Chikarmane, MD
Associate Radiology Residency Program Director
Chair of the Residency Clinical Competency Committee



Jennifer Uyeda, MD
Associate Radiology Residency Program Director



Shanna Matalon, MD

BWH Radiology Support Staff

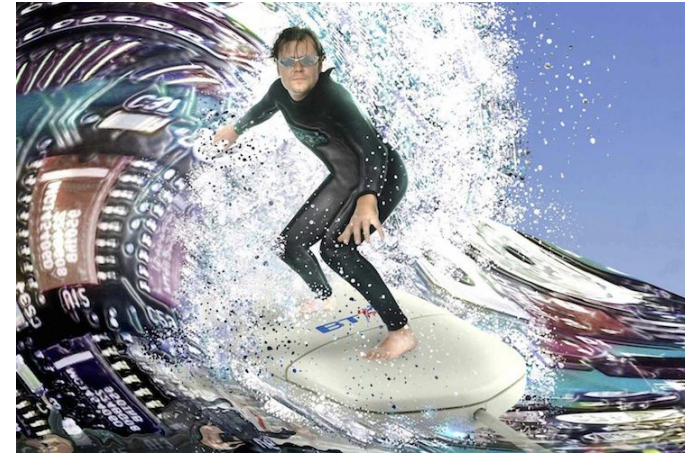


- **Julie Correia** (Program Coordinator - jcorreia@bwh.harvard.edu)
- **Sandra Palma** (Program Coordinator – spalma2@bwh.harvard.edu)
- **Katie Garney** (HMS medical student liaison – kgarney@mghihp.edu)
- **Paula Harker** (Medical Imaging IT Support aka MIIT – pharker@partners.org)
 - <http://miit.partners.org/>
 - 617-732-5927
 - Pager: 12292

Note: Julie and Sandi also have office supplies you can use and they can mail residency-related paperwork for you. You can borrow books from Mellins and return at any time.

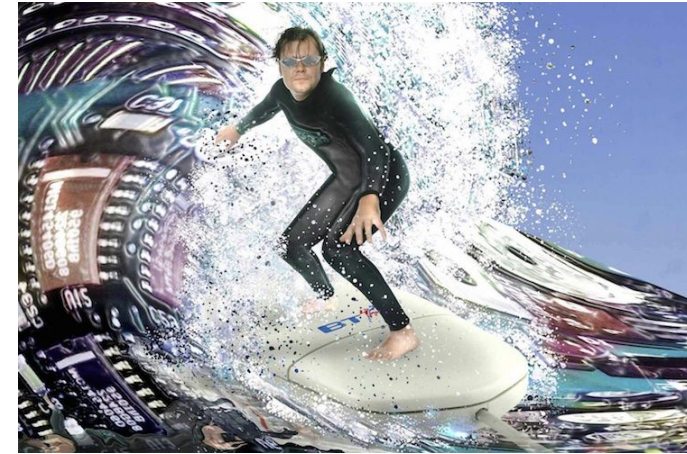
Useful Websites

- **BWH Resident Website** (www.bwhradresidents.org)
 - Amazing and nearly comprehensive resource
 - Available outside BWH network
 - Login with Partners credentials
- **Countway Library of Medicine** (<https://www.countway.harvard.edu/>)
 - HMS medical library with access to PubMed and textbooks
 - Requires non-Partners login
 - HarvardKey (key.harvard.edu)
- **RADPrimer** (<https://app.radprimer.com>)
 - Question bank for radiology
 - Requires non-Partners login



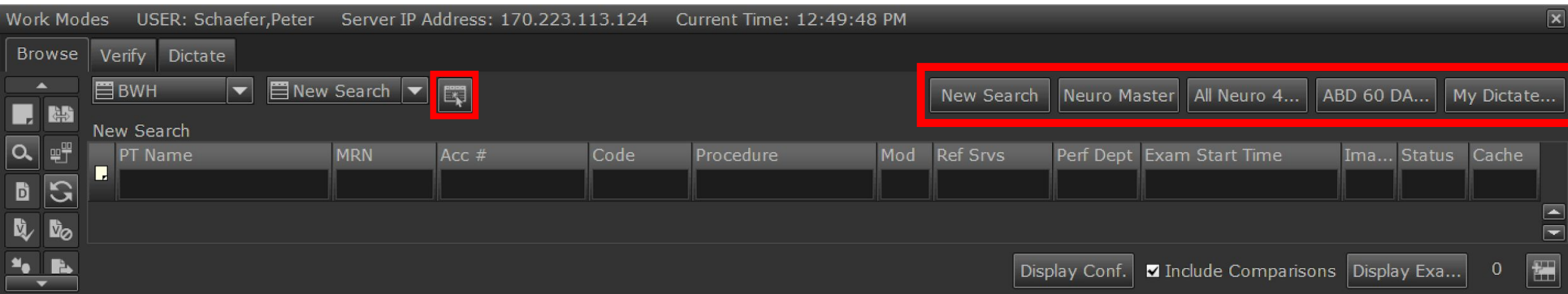
Useful Websites

- **STATdx** (<https://app.statdx.com>)
 - Wikipedia type site for radiology, differentials, etc
 - Requires non-Partners login
- **e-Anatomy** (<https://www.imaios.com/en/e-Anatomy>)
 - Interactive anatomy website
 - Requires non-Partners login
- **Radiopaedia** (<https://radiopaedia.org/>)
 - Similar to STATdx
 - No login required
- **Radiology Assistant** (<http://www.radiologyassistant.nl>)
 - Good tutorials, etc
 - No login required



Tech Tips

- **PACS (GE Centricity)**
 - App running on dedicated radiology workstations
 - Lite version able to run on non-workstation computers via myapps.partners.org
 - Lists



Tech Tips

- **PACS (GE Centricity)**
 - Mark as dictated, oracle, sticky note
 - Put back on list
 - Assign to different list
 - Exam viewing history (open API)

Work Modes USER: Schaefer,Peter Server IP Address: 170.223.113.124 Current Time: 1:03:48 PM

Browse Verify Dictate

BWH ABD 60 DA...

New Search Neuro Master All Neuro 4... ABD 60 DA... My Dictate...

ABD 60 DAY NEW

PT Name	MRN	Acc #	Procedure	Mod	Ref S...	Dept	Images	Status	Ca...	Exam Start Time
			MRI PELVIS WWO CONTRAST	MR	OUTP...	BWH	0	Verified	N	2018.06.29 19:00:00
			MRI ENTEROGRAPHY ABDOMEN...	MR	OUTP...	BWH	1114	Verified	Y	2018.06.30 11:24:45
			MRI PELVIS BOWEL WWO CON...	MR	OUTP...	BWH	0	Verified	N	2018.06.30 12:20:00
			MRI PELVIS WWO CONTRAST	MR	OUTP...	FLK	1106	Verified	Y	2018.06.29 16:12:52
			CT ABDOMEN PELVIS W CONT...	CT	OUTP...	BWH	2053	Verified	Y	2018.06.29 17:18:02
			XR ABDOMEN SUPINE W DECU...	CR	INPAT...	BWH-DIAG	2	Verified	Y	2018.06.30 10:37:33

Display Conf. ☒ Include Comparisons Display Exa... 19

Tech Tips

- **PACS (GE Centricity)**
 - Windowing
 - Number pad settings (1 – soft, 2 – lung, 3 – liver, 4 – bone, 5 – brain, 7 – vascular/PE)
 - How to set number pad settings
 - Soft tissue (W: 400, L: 30-50)
 - Abdomen (W: 400, L: 50)
 - Liver (W: 150, L: 30)
 - Lung/Free air (W: 1500, L: -600)
 - Mediastinum (W: 350, L: 50)
 - Bone (W: 1800, L: 400)
 - Brain (W: 80, L: 40)
 - Stroke (W: 40, L: 40)

Tech Tips

- **PowerScribe 360**

- Reporting app
- Can be accessed from non-workstation computers via myapps.partners.org
- Templates, harmonization
- Color scheme and font
- Drafts, assigning attendings
- Viewing old reports
- Opening ANCR shortcut

- **ANCR** (Alert Notification of Critical Results)

- BWH web-based critical result reporting system to either Ordering or Responding Clinician
- Red, orange, yellow, purple (WAL)
- Launch from PowerScribe (synced with internet browser)

Tech Tips

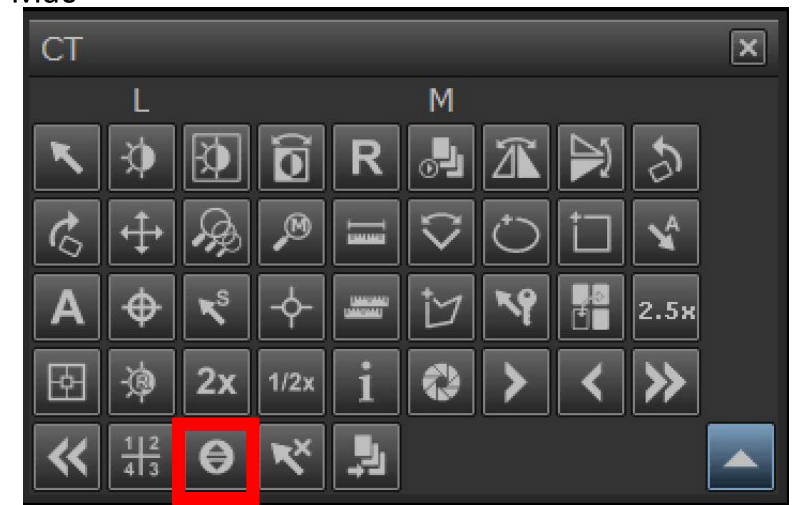
- **Epic**
 - Patient lists for responding clinician
 - Search function
 - Note filter (Op notes, etc)
 - Protocols
 - New radiology palette (BWH/MGH)
- **Protocols, contrast contraindications, reactions, and prep**

Tech Tips

- **New Innovations**
- **PeopleSoft**
- **Amion**
- **Rad Analytics**
- **Dropbox Business account**
- **RSNA/AAPM Physics Modules**
- **HealthStream**
- **SharePoint**

Tech Tips

- **How to save images/cine clips for presentations**
 - Images
 - “Clipping Tool” application (screen shot) on nearly all PACS computers
 - Cines
 - Video recording option in PowerPoint (Insert > video)
 - Can only create cine in PowerPoint on PC, but will then work on PC and Mac
 - Auto-scrolling tool in PACS allows smooth cine clips



Misc Tips

- **ABR Fees**

- Annual ~\$600 fee
- Reimbursed by book fund
- Pay by October-ish to avoid late fee (email notification)

- **In-service Exam**

- Annual nationwide exam in January
- Not reflective of ABR core exam
- Do NOT study for it

- **Harvard ID**

- Go to office on 1st floor of Kresge Building, School of Public Health, next to Countway Library (M-F, ~8:30am - 4:30pm).

Food Options

- **Garden Café** (2nd Floor Pike near Tower elevators)
 - Main cafeteria
- **Au Bon Pain** (1st Floor Lobby, 75 Francis entrance)
 - Overpriced
- **BTM Café** (1st Floor, not Ground level)
 - Standard café fare
- **Pat's Place** (2nd Floor Pike, 15 Francis Lobby)
- **Fake Starbucks** (2nd Floor Pike, 45 Francis Lobby)
- **Starbucks** (Longwood Ave near HMS)
- **Boloco** (Longwood Ave near HMS)
- Dana-Farber: cafeteria, cafe + bakery
- Boston Children's: food court (Starbucks, Subway, etc.), Au Bon Pain



Food Options

- **Longwood Galleria**
 - Standard food court fare (Subway, McDonald's, etc)
- **Clover** (Longwood Ave near BIDMC)
 - Delicious mostly vegan café
- **Café Nero** (Longwood Ave near BIDMC)
 - Good coffee
- **Pret a Manger** (Longwood Ave near BIDMC)
- **B. Good** (Brookline Ave near BIDMC)
- Tons of good and hip options in Fenway
 - Tiger Mama, Eventide, Pavement Coffee House, Blackbird Donuts, Thessaloniki, El Pelon Taqueria, and more!



Note: most reading rooms have their own breakout room with fridge, water, coffee/tea. There's also water in Abrams. Microwave and fridge in mail room on L1 near Abrams. Microwave, fridge, water, coffee/tea in Mellins.

Shuttles and Transportation

- **Parking**

- Garage \$127 per month, \$8 per day via payroll deduction

- **Bike storage**

- Outdoor bike racks – not suggested
- Bike cages – 15 Francis garage, BTM garage (Fenwood Rd)
- Hubway/Blue Bikes (citywide bike sharing) - \$25-30 annual fee for Partners employees

- **Partners Shuttles**

- To MGH (Beacon Hill), BWFH (West Roxbury/Roslindale), 850 Boylston (Chestnut Hill), MIT (Cambridge)



Shuttles and Transportation

- **MASCO Shuttles** (<https://www.masco.org/lma-shuttles/routes>)
 - Medical academic and scientific community organization
 - Need Harvard ID to ride shuttles
 - Map (<https://goo.gl/ZHSkbh>)
- **MBTA (Public Transit)**
 - 50% discount on monthly passes via pre-tax payroll deduction (\$42 for subway and bus)
 - Trains (T and commuter rail)
 - Buses
 - Resident MBTA pass sign-up form (<https://goo.gl/hNFFPw>)
- **First year resident commuters** (walk – 4, drive – 2, bike - 1, shuttle – 3, MBTA – 2)





Legend

- Entrance
- Accessible Entrance
- Restaurant
- Coffee Shop
- Bank/ATM
- Hotel
- Retail Shop
- Pharmacy
- Taxi Stand
- Parking
- MBTA Green Line Stop
- Hubway Station
- MBTA Bus Numbers
- MBTA T Route
- MBTA Bus Route
- Medical and Health Sciences Institutions
- Academic and Cultural Institutions

0 100 200 400 600 Feet
0 100 200 400 600 Miles

← Huntington Avenue
Parker Hill Avenue

Copenger St.

Judge Baker Children's Center

Huntington Avenue

Frawley St.

Mass. Eye and Ear Longwood



Campus Map/ Mapa 2nd Floor/ Segundo Piso



Resident Benefits

- **Cab vouchers and meal tickets**
 - Available for any rotation when you are working non-standard hours (ED, night float, consult, etc)
 - Need to email Julie/Sandra to obtain them
 - Setting up new card system
- **Brigham Education Institute (<http://bei.brighamandwomens.org/>)**
 - Brand new facility/library with workstations
 - Seminars
 - Yoga, massages
 - Therapy dog
 - Book club

Resident Benefits

- **Healthcare**
 - **** GME mandate that you can be excused from clinical duties to attend medical/dental appointment. Usually courteous to email attending you will be working with in advance, or the Division's Education Liaison.**
 - All trainees can establish care at Primary Care practice at 800 Huntington
 - Call patient records at 866-489-4056 to get a new patient record established
 - Call 857-307-2200 to select PCP
 - Contact: Edna Arthur, BWH Primary Care New Patient Coordinator (eaarthur@bwh.harvard.edu)
- **Dental**
- **Fitness**
 - Partners, BWH and MGH employees are eligible to join either The Club at Charles River Park or BodyScapes at a special hospital subsidized rate.

Teaching Conferences



- **Autopsy Conference**

- Assigned for M/W/F of one week
- Pathology chief will send email one day ahead of time with info of decedents
- Compile relevant images (screenshots) into Powerpoint file and email to pathology resident ahead of time

- **HMS Teaching Conferences**

- Mandatory medical student clerkship
- HMS Final Jeopardy, HMS Anatomy Jeopardy, HMS GU Conference
- Presentation Powerpoint files on resident dropbox
- Typically take place in Radiology Medical Student Library (15 Francis, 1st Floor, same tower as Mellins, below chest reading room)
- Katie Garney is HMS liaison (kgarney@mghihp.edu)

Teaching Conferences



- **Rad Path Conference**

- Case based conference given by 1st/2nd year radiology resident to the residency during conference time
- Faculty adviser
- Work with pathology resident counterpart to accumulate ~5 cases with pathology correlation
- General theme (MSK, Neuro, etc)
- Radiology images, differentials, literature review
- Prior presentations are available on the resident website
- ****Need at least one month to prepare in order to get Path correlation and slides pulled****

- **Missed/Difficult Case Conference**

Evaluations, OSCE, Feedback

- **Evaluations**

- New Innovations
- Advisor/PD meeting every 6 months

- **OSCE**

- Neuro (during week 6)
- MSK
- Abdomen
- Chest
- Mammo
- Ultrasound (during R1 and R3)
- ED
- CV
- Nucs

- **Feedback**

Emergency Radiology

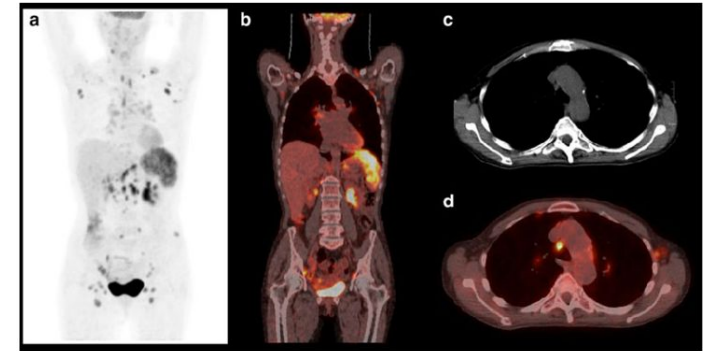
- First floor of 75 Francis Street. The reading room is inside the Emergency Room. Email Julie to ask for badge access to the ED.
- Monday-Friday, 11am – 10pm, Sunday 9am-9pm - Rotation starts on a Monday and ends on Sunday
 - If there are two residents hours are slightly different Monday-Friday 11am-10pm or 1pm-11pm then Sunday 9am-8pm or 11am-10pm - exact schedule will be on amion.
- You will also have additional ED Saturday shifts (about 7 shifts) 9am-9pm spread between first and second year.
- Read plain films, CT, US
- Protocol
- Phone calls
- Monitor trauma panscans, stroke CTAs, and dissection studies at the scanner; an attending or fellow will do the first few with you

Fluoroscopy

- L1 near Amory elevators. Next to ultrasound.
- Hours: 8:30 AM – 5 PM
- upper GI series, esophagrams, barium enemas, swallow studies, HSG, etc.
- KUBs
- “Educational Guidelines for GI and GU Fluoroscopy”, a comprehensive guide by Dr. Alencar et al.

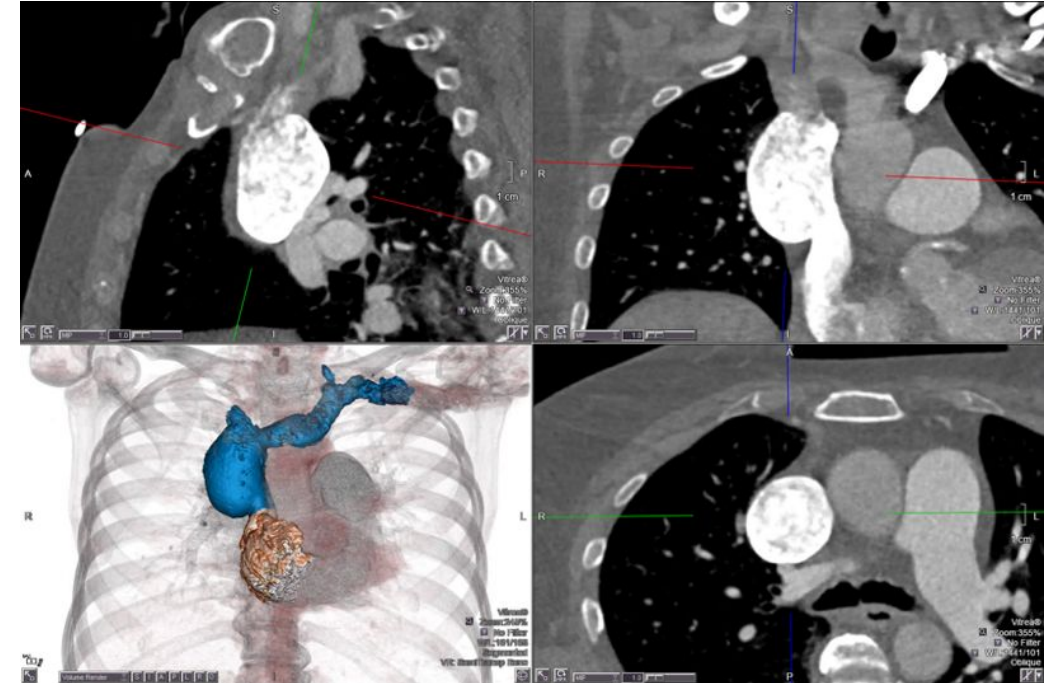
Nuclear Medicine

- L1 Nuclear Medicine reading room
- Hours: 8:30AM – 5:30/6PM
- Gamma camera exams
 - Bone scans, thyroid, gastric emptying, HIDA, MAG3 renal
 - SPECT – low-dose CT for localization of lesions on gamma camera
- PET-CTs
 - FDG-PET (F18)
 - Dotatate (Ga68) – neuroendocrine tumors
- Hermes software
 - Dedicated workstations for interpretation
 - Load PET and CT images with cross-referencing
 - Measuring SUV (standardized uptake values)



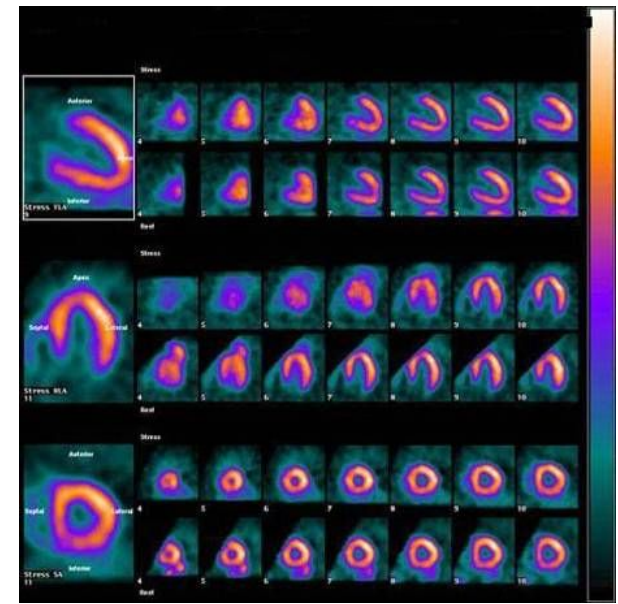
Cardiovascular Imaging

- Vascular CT and MR
- Vitrea Software
 - 3D modeling software
 - Video tutorials by Dr. Borna Dabiri
- Shapiro L2
- End-of-presentation case-based presentation
- Very time consuming OSCE



Nuclear Cardiology (CV Nucs)

- Two week “rotation” during 1st/2nd year
- L2 Cardiovascular Imaging reading room (8:30AM – 5:30PM-ish)
- Work with cardiology imaging fellow (cardiology) to get histories and indications for the day’s exams
- Read out in the afternoon with Cardiology attending
- Nuclear stress tests, PET perfusion, Cardiac PET viability study, PYP amyloid



Questions?