

# *Welcome to...*

## *Neuroradiology!*

During your time at BCH, you will spend about one week in the neuroradiology rotation, reading CT and MRI of the brain, spine, head and neck. There is a very wide range of types and complexity of cases seen in the neuroradiology reading room. There are also several interdisciplinary conferences aimed at neurorads that you may find interesting and can attend during this week.

### ***THE WORK DAY:***

The work day begins at 7:30 AM. When you first arrive, familiarize yourself with the organization of the reading room. One attending will be reading purely MR studies performed at the Main hospital (the 3 scanners on Main 2 – Skyra, Trio, and Twin, and the Binney 7 scanner). These will typically be the more complex cases of the day. The other attending will be reading all of the MR and CT scans performed at our outpatient satellite locations (Waltham and Peabody-aka North), CT scans performed at the Boston main hospital, and the outpatient spine MR performed on the Binney 2 scanner. These will be more bread and butter cases. Check with the staff assigned that day to see who you will be working with, and using Allocade, identify which cases you will read. Do not assign your name to a given case in Allocade, but using the notes window you can add useful information, patient history, and your initials, in case there is any question about who wrote the note.

MR - All Sites (30) CT - All Sites (4) FL Boston (2) US Boston (2) Body (3)  
Body - Next Day (3) MSK (9) MSK - Next Day (3) Body/MSK (12) On Call (35) Satellites - US, FL, XR (1) Fetal Neuro (18)

File Patients Organize Settings

ALLOCADE On-Cue

Sat, Jun 11, 2016 11:55

Reschedule All CT Add-On... Clean up

Neuro

Time	Status	Location	Patient	Scanner	Procedure	Staff	Lab	Notes
11:05 11:41 Orig 11:45	Start Scan	OP	Doe, John M/Ages: 12y MRN: 0000000	Binne y2	MR L Spine Non...	RN: MD:MZ RM:KM	SR: RT:KM	B2
Comm: MD - Check Notes 11:54 Delay: Patient Movement 11:47 RT/RN Comm:								
11:45 12:45 Orig 12:00	Start Scan	Emergenc	Doe, John F/Ages: 12y MRN: 0000000	Binne y7	MR 3T Brain	RN: MD:EG, MZ RM:5899	SR: RT:KNG	cd~ CALLED FOR AT 11:10 COMING UP FOR 11:45 SCAN...CD NEUROLOGY...
Comm: Approved/Protooled 10:51 Delay: RT/RN Comm:								
12:00 12:12 Orig 12:00	Paperwork Complete	OP (W)	Doe, John M/Ages: 16y MRN: 0000000	1.5 W	MR Spine Entire...	MD:MZ RT: RM:61152		
Comm: MD - Check Notes 11:19 Delay: RT/RN Comm: IV needed (22g) 11:05								
12:00 12:05 Orig 11:30	Enter Prep Room	OP	Doe, John M/Ages: 14y MRN: 0000000	3T Trio	MR 3T Brain...	RN: MD:EG, MZ RM:5752	SR: 1 RT:KMB	Don't need dynamic so that is fine - EG FYI Power...
Comm: MD - Check Notes 11:19 Delay: RT/RN Comm: IV needed (22g) 11:05								
12:00 12:10 Orig 12:00		OP (W)	Doe, John F/Ages: 14y MRN: 0000000	3T W	MR Experiment...	MD:MZ RT: RM:61150		
Comm: MD - Check Notes 11:19 Delay: RT/RN Comm: IV needed (22g) 11:05								
12:00 12:00 Orig 12:00		B&W**	Doe, John F/Ages: <1m MRN: 0000000	Binne y7	MR 3T Brain	RN: MD:MZ RM:5899	SR: RT:	baby cannot be scanned until at least 11:30. He
Comm: MD - Check Notes 11:19 Delay: RT/RN Comm: IV needed (22g) 11:05								

Choose "Neuro"

W A

OD Fetal

MSK Ases 1

Chest/CV Ases 2

Choose "Neuro"

MR - All Sites (30)				CT - All Sites (4)				FL Boston (2)				US Boston (2)				Body (3)															
Body - Next Day (3)				MSK (9)				MSK - Next Day (3)				Body/MSK (12)				On Call (35)															
Satellites - US, FL, XR (1)				Fetal				Neuro (18)																							
File Patients Organize Settings																ALLOCADE On-Cue															
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N		OD		MSK		Chest/CV																									
A		Fetal		Ases 1		Ases 2																									
B		Board RT		ROC RT		Moonlighter																									
B		B2/B7 Neuro		B2 RT		GA Ascom																									

Scanner column tells you where the study is happening. 1.5 W= 1.5 Tesla magnet in Waltham. 3T Trio= The Trio 3 Tesla magnet in Boston. Ask your attending/fellow to clarify this for you. This will affect which lists you subscribe to in Radstar.

MR - All Sites (30) CT - All Sites (4) FL Boston (2) US Boston (2) Body (3)

Body - Next Day (3) MSK (9) MSK - Next Day (3) Body/MSK (12) On Call (35) Satellites - US, FL, X (1) Fetal Neuro (18)

File Patients Organize Settings **ALLOCADE On-Cue**

**Neuro** Sat, Jun 11, 2016 11:56 Reschedule All CT Add-On... Clean up

Time	Status	Location	Patient	Scanner	Procedure	Staff	Lab	Notes
11:05 11:41 Ong 10:45	Start Scan	OP	Doe, John M/Ages: 12y MRN: 0000000	Binn y2	MR L Spine Non...	RN: SR: MD: MZ RT: KM RM: 5953 3	B2	
Comm: MD - Check Notes 11:54 Delay: Patient Movement 11:47 RT/RN Comm:								
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Comm: Approved/Protocoled 10:51 Delay:								
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N OD: MSK Chest/ CV A Fetal Ases 1 B Board RT ROC RT R B2/B7 Neuro B2 RT Moonlighter GA Ascom								

Right click here on the study for more information

MR - All Sites (30) CT - All Sites (4) FL Boston (2) US Boston (2) Body (3)

Body - Next Day (3) MSK (9) MSK - Next Day (3) Body/MSK (12) On Call (35) Satellites - US, FL, X (1) Fetal Neuro (18)

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Left click on the box to add more information (write your initials for ease of reference).

## THE WORKLIST:

Your subscription list on Radstar will depend on your assignments for the day.

For the CT/Outpatient team, the subscription list will generally be...

The screenshot shows the RadSTAR Subscribe Page with the following data:

Modality	Boston	Lexington	BCH North	BCH South	Waltham	North Dartmouth	TELERIS-BWH	TELERIS-BIDMC	TELERIS-HMH
Body CT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Body MR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fetal MR/US	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GU	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Neuro CT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Neuro MR	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Neuro MR Binney 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Neuro MR Binney 7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
US	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

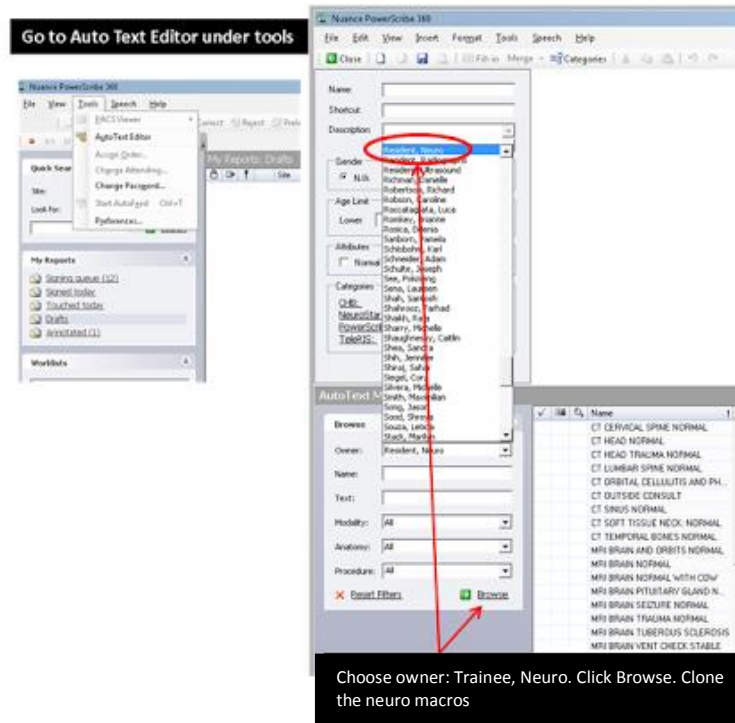
For the Main 2/Binney 7 team, the subscription list generally be....

The screenshot shows the RadSTAR Subscribe Page with the following data:

Modality	Boston	Lexington	BCH North	BCH South	Waltham	North Dartmouth	TELERIS-BWH	TELERIS-BIDMC	TELERIS-HMH
Body CT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Body MR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fetal MR/US	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GU	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Neuro CT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Neuro MR	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Neuro MR Binney 2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Neuro MR Binney 7	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
US	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## THE REPORTS:

Go to the “Auto Text Editor” tab and copy the macros from “**Trainee, Neuro.**” Whenever possible use these macros for your reports unless specifically told not to do so by the attending of the day.



## GOALS:

To help ensure that you get to be involved in a variety of cases, we have created a checklist of the types of studies you should try to read over the course of the week. Your ability to complete all of the recommended studies will of course depend on the patient schedule for the week and the number of other residents and fellows in the reading room with you, so these cases are not a fixed requirement. Check off each case as you dictate them, and include the accession number of the study for future reference.

# Neuroradiology case Log

- MR Brain
  - ☐ Newborn \_\_\_\_\_
  - ☐ Vent check \_\_\_\_\_
  - ☐ Seizure w/u \_\_\_\_\_
  - ☐ Brain tumor \_\_\_\_\_
- MR Spine
  - ☐ Stress Fracture \_\_\_\_\_
  - ☐ Tumor Survey \_\_\_\_\_
- MR Head and Neck
  - ☐ Mass \_\_\_\_\_
- ☐ CT brain trauma \_\_\_\_\_
- ☐ CT sinuses \_\_\_\_\_
- ☐ Cone Beam CT \_\_\_\_\_
- ☐ Temporal Bones (SNHL) \_\_\_\_\_
- ☐ Neck r/o abscess \_\_\_\_\_
- ☐ \_\_\_\_\_
- ☐ \_\_\_\_\_
- ☐ \_\_\_\_\_
- ☐ \_\_\_\_\_

## NEURORADIOLOGY CONFERENCES:

In addition to the weekly AM and noon neuroradiology conferences, there are additional conferences during the day that you may attend when on your neuroradiology rotation at the discretion of your attending. Check that week for the most up to date information, but generally they are:

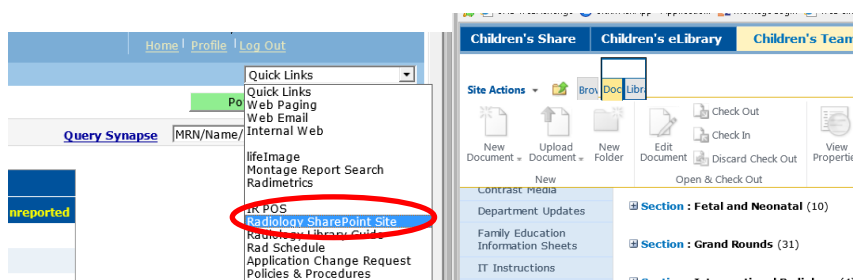
- 2<sup>nd</sup> Wednesday of the month at 4 PM- Head and Neck tumor conference in the Wittenborg conference room
- 3<sup>rd</sup> Wednesday of the month at 7AM – ORL conference in the Wittenborg conference room (you should attend this whether on neuro or not)
- Thursday 8AM – weekly neurosurgery conference in the Hunnewell building
- Thursday 10AM – Neuro-oncology conference in the Wittenborg

## EDUCATIONAL RESOURCES:

### RECORDED LECTURES

The neuroradiology staff have recorded many of their lectures and they are available for you to watch on your own time, while in the hospital. The lectures are on the sharepoint drive, which you can access through Radstar.

First click on the “Quick Links” tab on the right side of the screen, and choose Sharepoint. Once on the sharepoint screen, on the bottom left, under “Education”, click on “Conferences and Lectures.” Browse through the many lecture choices on the right.

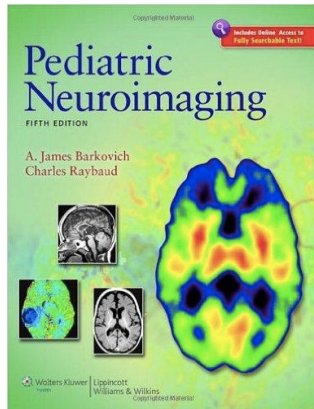


**BOOKS:**

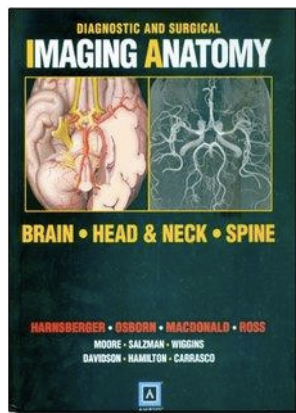
Recommended reading for the neuro rads rotation:

Barkovich...

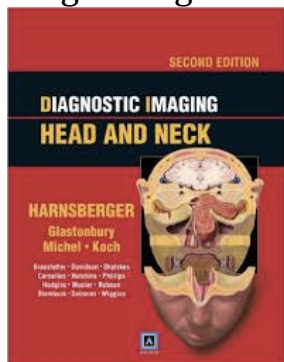




Stat Dx...



Harnsberger Diagnostic Imaging...



We hope that you have a fun and educational time during your Abdomen/Oncology rotation, and if you have any questions or concerns, don't hesitate to ask me.

Sincerely,





Callie Robson