

NEURORADIOLOGY RESIDENT ORIENTATION GUIDE

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GETTING STARTED

- Prior to your rotation, check that you have access to the neuroradiology worklists in PACS: “CT Neuro Rotation” and “Unread MRN;” drag these to your favorites
- Prior to your rotation, confirm you have EPIC access
 - EPIC should be used to look up patient histories for all neuroradiology exams, to protocol exams under attending supervision, review the daily neuroimaging schedule, and check exam completion times
- When you arrive on your first day, meet with the assigned attending(s) to discuss workflow and expectations

WORKFLOW: NEURO CT ROTATION

- Rotation hours: 8:00 AM-4:00 PM
- Work from the designated CT resident/fellow station in the 4th floor neuroradiology CT reading room
- Check-in with the “Neuro CT” attending upon arrival to set-up shift expectations
- Read-out with the “Neuro CT” attending (use the “Neuro CT rotation” worklist):
 - All neuroradiology CTs, MR brain ventricles, transcranial doppler ultrasounds***, and PET/CT brain exams

***For these exams, use the departmental “NEW TCD ICU” or “NEW TCD SCD” macro depending on the study indication

WORKFLOW: NEURO CT ROTATION

- Pre-dictate studies prior to readout
- Read out all dictated studies with assigned attending
- Notify attending when reading STAT neuroradiology exams
- Reach out to attending for urgent/emergent patient issues/imaging findings
- Help triage technician questions, including checking CT images and protocoling CT exams under attending guidance

WORKFLOW: NEURO MR EARLY ROTATION

- Shift hours: 7:00 AM-3:00 PM
- Check-in with the “Neuro MR AM” attending upon arrival to set-up shift expectations
- Work from one of the designated MR resident/fellow stations in the 5th floor neuroradiology MR reading room
- Read-out with the “Neuro MR AM” attending:
 - Any inpatient, ED, or outpatient MRI exams left from the previous evening
 - Read same day outpatient MRI exams completed before 9:00 AM
 - Read same day inpatient and ED MRI exams completed before 2:00 PM
 - Do not read MR ventricles exams

WORKFLOW: NEURO MR EARLY ROTATION

- Read-out with the “Neuro MR Swing” attending:
 - Connect with attending who works remotely either via Teams or paging in the morning to schedule read-out
 - Read same day outpatient MRI exams completed between 9:00 AM-2:00 PM
 - Do not read MR ventricles exams
- MR attendings will help assign cases to residents as needed
- Reach out to attendings at least one hour before shift end to arrange readout times for any unreviewed cases

WORKFLOW: NEURO MR EARLY ROTATION

- Pre-dictate studies prior to readout with attendings, focusing on the quality of dictations rather than quantity
- Read out all cases with the assigned attendings
- Help triage technician questions under guidance of the “Neuro MR AM” attending
- Residents are not responsible for MRI protocoling or checking MRI image quality
- Reach out to attendings for urgent/emergent patient issues/imaging findings

WORKFLOW: NEURORADIOLOGY EXPECTATIONS FOR SWING SHIFT RESIDENT

- Shift hours: 1:00 PM-9:00 PM
- Work in reading room with “PM Swing/Evening” attending
- Check-in with the “Neuro Call” attending at 2 PM to set-up shift expectations, including preferred communication method (i.e. Teams, paging) as well as attending readout preferences
- As possible, read ED or inpatient MR/CT neuroradiology exams
- Notify “Neuro Call” attending when reading STAT neuroradiology exams
- Be sure to draft STAT dictations before leaving the reading room (e.g. for procedures)
- Reach out to attending for urgent/emergent patient issues/imaging findings

WORKFLOW: NEURORADIOLOGY EXPECTATIONS FOR WEEKEND CALL RESIDENT

- Shift hours: 8:00 AM-8:00 PM
- Work in reading room with “Body Call” attending
- Check-in with the “Neuro Call” attending upon arrival to set-up shift expectations, including preferred communication method (i.e. Teams, paging) as well as attending readout preferences
- As possible, read ED or inpatient CT neuroradiology exams (including MR brain ventricles) performed after 4:00 PM (when neuro CT attending leaves)
- Notify “Neuro Call/PM” attending when reading STAT neuroradiology exams
- Be sure to draft STAT dictations before leaving the reading room (e.g. for procedures)
- Reach out to attending for urgent/emergent patient issues/imaging findings

WORKFLOW: NEURO PM WEEKDAY SHIFT (OPTIONAL FOR R3'S)

- Shift hours: 3:00 PM-9:00 PM
- Work from one of the designated MR resident/fellow stations in the 5th floor neuroradiology MR reading room
- Check-in with the “Neuro PM” attending upon arrival to set-up shift expectations
- Assist with reading room workflow, including technician phone calls
 - Residents are not responsible for protocoling MRIs or checking MRI image quality
 - Protocol CTs with attending guidance

WORKFLOW: NEURO PM WEEKDAY SHIFT (OPTIONAL FOR R3'S)

- Read-out with the “Neuro PM” attending:
 - Any same day outpatient, inpatient, and ED MR exams completed between 2:00-4:00 PM (except MR ventricles)
 - All inpatient and ED MR/CT exams completed between 4:00-9:00 PM, prioritizing ED and STAT cases
- Reach out to attending for urgent/emergent patient issues/imaging findings
- Attend noon lectures or multidisciplinary conferences only if interested

EDUCATION: NEURORADIOLOGY DIDACTIC LECTURES

- *Lurie Advanced Neuroimaging Lecture Series*: Didactic lecture by invited speaker scheduled quarterly via Teams at 12:00-1:00 PM
- *PEdiAtric NeUroradiology Teaching Series (PEANUTS)*: Multi-institutional didactic lecture series for trainees scheduled via Teams once monthly on Thursdays at 2:00-3:00 PM
- *Resident core curriculum neuroradiology lectures*: Didactic lectures provided by members of the Lurie Children's neuroradiology division at 12:00-1:00 PM. Please refer to the monthly lecture calendar for further details.

EDUCATION: NEURORADIOLOGY MULTIDISCIPLINARY CONFERENCES

- Residents are encouraged to attend neuroradiology multidisciplinary conferences during the rotation
- The highlighted conferences on the following table are high-yield for residents

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
7:00 AM					
8:00 AM			7:30-9:00 AM: Epilepsy (every Wednesday, virtual)	8:30-9:00 AM: Neurology (every Thursday, virtual)	
9:00 AM				9:00-9:30 AM: Abusive Head Trauma (1st Thursdays, virtual)	
10:00 AM					
11:00 AM					
12:00 PM	12:00-1:00 PM: Neurometabolism (2 nd Mondays, virtual)	12:00-1:00 PM: Head/Neck (3 rd Tuesdays, virtual)			
1:00 PM				1:00-2:00 PM: Temporal Bone (2 nd Thursdays, virtual or 5th floor reading room)	
2:00 PM					
3:00 PM					
4:00 PM	4:00-5:00 PM; Neurovascular (1st and 3 rd Mondays, virtual)	3:30-5:00 PM: Brain Tumor Board (every Tuesday, virtual)			

NUTS AND BOLTS: FREQUENTLY ASKED QUESTIONS

- *“What templates do I use?”*:
 - Currently, there are no standard dictation templates for the neuroradiology division
 - Ask attendings for any preferences
- *“How do I tell when an exam was completed?”*:
 - Find the exam under the “Imaging” tab in the patient’s EPIC chart
 - Open the exam link
 - Find the “Exam Ended” time on the displayed page. Note: the time listed in GE PACS is often incorrect

NUTS AND BOLTS: FREQUENTLY ASKED QUESTIONS

- *“Do I have to wait for MR or CT neuro exams to be “Verified” to read them?”:*
 - No. While an exam is being acquired or in “Arrived” status, manually open the case in Powerscribe using the exam accession number or patient MRN
 - Launching “Arrived” neuroradiology exams directly from PACS, results in the subsequently acquired images to go over “Unspecified”
- *“What should I do with STAT exams?”:*
 - STAT cases should be signed by attendings within 60 min from completion time
 - Notify attendings ASAP when reading these cases
- **Other PACS Pointers:**
 - Worklists may not refresh automatically and need to be refreshed manually