Who should read after hours Emergency Neuroradiology? Residents vs Fellows vs Neuroradiologists vs ER Radiologists vs Teleradiology?

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What are the Issues?

- WHO READS AFTER HOURS NEURORADIOLOGY AT YOUR INSTITUTION?
- DISCREPANCY RATE
- TURN AROUND TIMES
- IMPACT OF OVERNIGHT ER ATTENDING READS AND TELERADIOLOGY COVERAGE ON RESIDENT/FELLOW EDUCATION
- WHAT IS THE ROLE OF ER RADIOLOGIST OVERNIGHT?
- COMMODITIZATION OF RADIOLOGY WITH HEALTHCARE REFORM AND TELERADIOLOGY: THE FACELESS NEURORADIOLOGIST
• **1. WHO READS NEURO?**
  
  • Are ED cases at night covered:
  • Neuroradiology versus general radiology?
  • Local radiology versus teleradiology?
  • Staff or trainees? Final reads versus preliminary reads?
2. DISCREPANCY RATE

What constitutes a significant clinical discrepancy?
How can we assess the accuracy of ER night attending and teleradiology reads?
What is the level of resident (R2/R2 vs R3/R4), fellow, neuroradiologist, ER radiology, teleradiology discrepancy rate (Can we measure with call back rate)?
Do residents or fellows have a lower discrepancy rate than ER attendings with subspecialty neuroradiology cases?
3. TURN AROUND TIMES

- What is the impact on patient care?
- Are turn-around times and accuracy of readings related?
- What is the financial impact of slower turnaround time?
4. IMPACT OF OVERNIGHT ER ATTENDING READS AND TELERADIOLOGY COVERAGE ON RESIDENT/FELLOW EDUCATION

- What proportion of ER neuro is learned from day Neuro v night ER? (Do they need to learn neuro at night?)
- What do residents and fellows prefer?
- Is there a difference in quality between residents in programs with night ER attending coverage v night neuroradiology attending v teleradiology reads (how could this be accurately determined?)
- What is the role of neuroradiology fellow on at night, can the fellow provide final reports in your practice/state?
5. WHAT IS THE ROLE OF ER RADIOLOGIST OVERNIGHT?

- What cases are within scope of ER rad knowledge/responsibility?
- Basic neuro trauma
- Complex facial trauma
- CT or MR angio (are these subspecialty interpretations)
- CT and MRI stroke perfusion, spine trauma
- Inpatient cases, neuro ICA cases (are these subspecialty interpretations)
- Do ordering physicians know the difference if an ER radiologist vs Neuroradiologists vs teleradiologist reads their study? Do they care? (Survey Audience response system)
6. COMMODITIZATION OF RADIOLOGY WITH HEALTHCARE REFORM AND TELERADIOLOGY: THE FACELESS NEURORADIOLOGIST

- Has healthcare reform, QA metrics, turnaround times commoditized radiology?
- Has teleradiology commoditized radiology?
- Can we save neuroradiology?
- WHAT DO ED PHYSICIANS, NEUROSURGEONS and NEUROLOGISTS (e.g. stroke neurologists) WANT?