

Clinical Practice Committee Statement:

Radiology Interpretation in Emergency Department after 5:00PM (7/11/2011)

References

1. Rogers L. Heeding the Call: Radiologists in the ED. *AJR*: 2000; 175: 1213.
2. Strub WM, Vagal AA, et al. Overnight resident preliminary interpretations on CT Examinations: should the process continue? *Emerg Radiol* (2006) 13: 19–23. Grade D.
3. Carney E, Kempf J, et al. Preliminary Interpretations of After-Hours CT and Sonography by Radiology Residents Versus Final Interpretations by Body Imaging Radiologists at a Level 1 Trauma Center. *AJR* 2003;181:367–373. Grade D.
4. [Kalyanpur A](#), et al. Emergency radiology coverage: technical and clinical feasibility of an international teleradiology model . *Emergency Radiology*. 2003: 10, 115-118. Grade D
5. International Teleradiology. *NEJM*. 2006: 354, 7.
6. Nunez D. et al. Dedicated CT Scanner in an Emergency Department: Quantification of Factors That Contribute to Lack of Use. *AJR*. 2002; 179:859-862
7. ACGME Program Requirements for Graduate Medical Education in Diagnostic Radiology. Effective: July 1, 2008.
http://www.acgme.org/acWebsite/downloads/RRC_progReq/420_diagnostic_radiology_07012010.pdf
8. Smith J, Berlin L. Malpractice Issues in Radiology: Medicare Fraud and Abuse. *AJR* 2003;180:591–59.
9. Ruchman R, Jaeger J, et al. Preliminary Radiology Resident Interpretations Versus Final Attending Radiologist Interpretations and the Impact on Patient Care in a Community Hospital. *AJR* 2007; 189:523–526. Grade D.
10. Velmahos GC, Fili C, et al. Around-the-clock attending radiology coverage is essential to avoid mistakes in the care of trauma patients. *Am Surg* 2001; 67:1175–1177. Grade C.
11. Erly W, Berger W, et al. Radiology Resident Evaluation of Head CT Scan Orders in the Emergency Department. *Am J Neuroradiol* 23:103–107, January 2002. Grade D.
12. Lal N, Murray O. et al. Clinical Consequences of Misinterpretations of Neuroradiologic CT Scans by On-Call Radiology Residents. *Am J Neuroradiol* 21:124–129, January 2000. Grade D.

13. Strub WM, Leach JL, et al. Overnight Preliminary Head CT Interpretations Provided by Residents: Locations of Misidentified Intracranial Hemorrhage. *Am J Neuroradiol* 28:1679–82. Oct 2007. Grade D.
14. Filippi C, Schneider B, et al. Discrepancy Rates of Radiology Resident Interpretations of On-Call Neuroradiology MR Imaging Studies. *Radiology*; 249: 3, December 2008. Grade D.
15. Filippi C, Meyer R, et al. The misinterpretation rates of radiology residents on emergent neuroradiology magnetic resonance (MR) angiogram studies: correlation with level of residency training. *Emerg Radiol* (2010) 17:45–50. Grade D.
16. DeCorato D, Kagetsu N, et al. Off-Hours Interpretation of Radiologic Images of Patients Admitted to the Emergency Department: Efficacy of Teleradiology. *AJR* 1995;165:1293-1296. Grade C.
17. Itri J, Redfern R, et al. Using a Web-Based Application to Enhance Resident Training and Improve Performance On-call. *Acad Radiol* 2010; 17:917–920. Grade D.
18. Yoon L, Halms A, et al. Evaluation of an Emergency Radiology Quality Assurance Program at a Level I Trauma Center: Abdominal and Pelvic CT Studies. *Radiology* 2002; 224:42–46. Grade D.
19. Eng J. et al. Interpretation of Emergency Department Radiographs: A Comparison of Emergency Medicine Physicians with Radiologists, Residents with Faculty, and Film with Digital Display. *AJR* 2000;175:1233–1238. Grade D
20. Espinosa J. et al. Reducing errors made by emergency physicians in interpreting radiographs: longitudinal study. *BMJ* 2000; 320:737–40. Grade C
21. Branstetter, B. et al. Preliminary Reports in the Emergency Department: Is a Subspecialist Radiologist More Accurate Than a Radiology Resident? *Academic Radiology*. 2007; 14:201–206. Grade D.
22. Blane, C. et al. Academic Radiology and the Emergency Department: Does It Need Changing? *Academic Radiology*. 2007; 14:625–630