

LMRT Digital Imaging Assessment

1. What is the main advantage of digital imaging over film-screen radiography?
2. The ability of a digital imaging system to distinguish between small differences in tissue densities is called:
3. What does the term “pixel” stand for in digital imaging?
4. The smallest unit of a digital image that determines spatial resolution is the:
5. The range of exposures that an imaging system can accurately detect and display is known as:
6. In digital imaging, increased matrix size with the same field of view results in:
7. The term “bit depth” refers to:
8. What does PACS stand for?
9. Which artifact is common in digital radiography if the imaging plate is not erased properly?
10. The ability of the imaging system to record fine detail is called:
11. Define DICOM and explain its importance in medical imaging.
12. Describe the difference between direct and indirect digital radiography detectors.
13. Explain the relationship between pixel size and spatial resolution.
14. What is the purpose of applying “window width” and “window level” adjustments in digital imaging?
15. Why is image post-processing considered an advantage in digital imaging compared to film-screen systems?