

Specialized Topics in Areas of Radiologic Sciences

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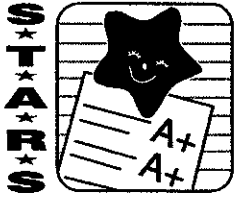
Digital Imaging Principles Unit

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Founder

**Ohio Department of Health Approval for 2
continuing education hours.**



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Welcome to your **S.T.A.R.S.** self-learning product that has been approved for **2 continuing education credit hours** by the Ohio Department of Health for radiologic license requirements.

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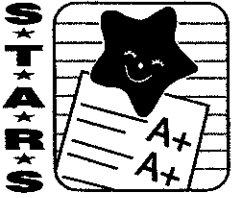
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Digital Imaging Principles Unit

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GENERAL X-RAY MACHINE OPERATOR ANSWER SHEET

Unit Digital Imaging Principles

True or False:

- ___ 1. The term digital is used for a numerically based image sent to a computer.
- ___ 2. Digital radiography is cassette-less and uses a built-in detector.
- ___ 3. The same crystals are used for computed radiography and conventional screens.
- ___ 4. PSP imaging plates are read by a laser scanner.
- ___ 5. "Ghost images" are created from double exposing a PSP imaging plate.
- ___ 6. A TFT is made of silicon.
- ___ 7. Window level controls contrast.
- ___ 8. Large areas of anatomy can be stitched together such as a scoliosis series.
- ___ 9. Patient demographics or patient information can not be altered after creation.
- ___ 10. All commercial PACS systems have standardized communication requirements.

Fill In

11. A _____ is a graphic representation of numerical data or shades of gray.
12. Digital Imaging and Communication in Medicine is abbreviated as _____.
13. The term _____ refers to the laser scanning an imaging plate.
14. Computed radiography imaging plates are _____ with intense white light.
15. Each square in the matrix is called a _____.
16. PSP imaging plates must be erased every _____ hours if not used.

17. A flat panel digital system using amorphous selenium coating the active matrix array is called

_____.

18. Automatic _____ usually produces images with uniform density and contrast.

19. A _____ table evaluates the raw information of each image and corrects the values.

20. Quantum mottle will result if the exposure is more than _____% below the ideal exposure.

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