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Assignment # CR and DR

② No:- 1

ANS:- Digital Radiograph Artifacts:-

- Detector Image log or ghosting latent Image from previous exposure present on current exposure.
- Incorrect electron orientation upside - down cassette.
- Back scatter
- • stitching artifacts
- over exposure
- Dead pixel artifacts
- signal dropout
- speckled radiopaque spots.
- we will avoid them proper positioning
- proper exposure
- proper MAS, and kVp.

Q NO:- 2

(2)

ANS:- Digital subtraction angiography:

Digital subtraction angiography (DSA) is a fluoroscopy technique used in interventional radiology to clearly visualize blood vessels in a bony or dense soft tissue environment. Images are produced using contrast medium by subtracting a pre contrast medium by subtracting a Image " or mask from subsequent Image once the contrast medium has been introduced. into a structure hence the term digital subtraction angiography.

Q NO: 3

ANS:- Disadvantage of digital Radiography:-

- Training and Learning curve:
- must learn machinery technology and positioning.
- must still adhere to good technique for Acquiring Images.
- Equipment Cost:
- Initial cost is high compared with traditional radiography.

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- other ~~technique~~ technology costs radiology. (Computer, etc.)

Q No: 4

Ans:- Image quality of screen film radiography and digital radiography.

Spatial resolution is better in digital radiography by an order of magnitude compared with screen film radiography.

Solid States flat panel detectors provide better quality with less radiation dose compared with screen film radiography.

The digital radiography film image quality is better than the screen film radiograph.

Digital radiography image quality superior than the screen film radiography.

(4)

Q NO:- 5

Ans:- Difference b/w Image receptors conventional radiography and digital radiography.

The images receptors may be the conventional film screen or most likely a photosensitive phosphor plate in computed radiography (CR) or a charged electronic device in digital radiography also known as direct digital radiography. (DR) The image receptor in CR is a photostimulable phosphor plate.

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The End