

Digital Radiography Exposure Indices

Multiple Choice

Identify the choice that best completes the statement or answers the question.

- ___ 1. The following technical factors were used to generate an image of a knee: 60 kVp, 20 mAs, and small FSS. If this technique yielded EI of 800 and the TEI of extremities is 800, what was the DI?
- +6
 - +3
 - 3
 - 6
 - 0
- ___ 2. The following technical factors were used to generate an image of a knee: 60 kVp, 40 mAs, and small FSS. If this technique yielded EI of 1600 and the TEI of extremities is 800, what was the DI?
- +6
 - +3
 - 3
 - 6
 - 0
- ___ 3. The following technical factors were used to generate an image of a knee: 60 kVp, 10 mAs, and small FSS. If this technique yielded EI of 400 and the TEI of extremities is 800, what was the DI?
- +6
 - +3
 - 3
 - 6
 - 0
- ___ 4. The following technical factors were used to generate an image of a knee: 60 kVp, 5 mAs, and small FSS. If this technique yielded EI of 200 and the TEI of extremities is 800, what was the DI?
- +6
 - +3
 - 3
 - 6
 - 0
- ___ 5. The following technical factors were used to generate an image of a knee: 60 kVp, 80 mAs, and small FSS. If this technique yielded EI of 3200 and the TEI of extremities is 800, what was the DI?
- +6
 - +3
 - 3
 - 6
 - 0
- ___ 6. The following technical factors were used to generate an image of an abdomen: 80 kVp, 40 mAs, and large FSS. If this technique yielded EI of 400 and the TEI of body is 400, what was the DI?
- +6

- b. +3
- c. -3
- d. -6
- e. 0

- _____ 7. The following technical factors were used to generate an image of an abdomen: 80 kVp, 80 mAs, and large FSS. If this technique yielded EI of 800 and the TEI of body is 400, what was the DI?
- a. +6
 - b. +3
 - c. -3
 - d. -6
 - e. 0
- _____ 8. The following technical factors were used to generate an image of an abdomen: 80 kVp, 160 mAs, and large FSS. If this technique yielded EI of 1600 and the TEI of body is 400, what was the DI?
- a. +6
 - b. +3
 - c. -3
 - d. -6
 - e. 0
- _____ 9. The following technical factors were used to generate an image of an abdomen: 80 kVp, 20 mAs, and large FSS. If this technique yielded EI of 200 and the TEI of body is 400, what was the DI?
- a. +6
 - b. +3
 - c. -3
 - d. -6
 - e. 0
- _____ 10. The following technical factors were used to generate an image of an abdomen: 80 kVp, 10 mAs, and large FSS. If this technique yielded EI of 100 and the TEI of body is 400, what was the DI?
- a. +6
 - b. +3
 - c. -3
 - d. -6
 - e. 0

