

DR Index Practice

Numeric Response

1. The Radiographic image of the knee using 70 kVp, 20 mAs, small FSS generated EI of 1600. What mAs should the technologist use during the repeat procedure if the departmental TEI is 800?
2. The Radiographic image of the hand using 65 kVp, 2 mAs, small FSS generated EI of 200. What mAs should the technologist use during the repeat procedure if the departmental TEI is 800?
3. The Radiographic image of the elbow using 72 kVp, 4 mAs, small FSS generated EI of 3200. What mAs should the technologist use during the repeat procedure if the departmental TEI is 800?
4. The Radiographic image of the elbow using 80 kVp, 2 mAs, small FSS generated EI of 2000. What mAs should the technologist use during the repeat procedure if the departmental TEI is 1000?
5. The Radiographic image of the Abdomen (KUB) using 80 kVp, 20 mAs, small FSS generated EI of 2000. What mAs should the technologist use during the repeat procedure if the departmental TEI is 400?
6. The Radiographic image of the pelvis using 85 kVp, 80 mAs, large FSS generated EI of 200. What mAs should the technologist use during the repeat procedure if the departmental TEI is 400?
7. The Radiographic image of the pelvis using 85 kVp, 80 mAs, large FSS generated EI of 900. What mAs should the technologist use during the repeat procedure if the departmental TEI is 450?
8. The Radiographic image of the AP lumbar spine using 85 kVp, 25 mAs, large FSS generated EI of 225. What mAs should the technologist use during the repeat procedure if the departmental TEI is 450?
9. The Radiographic image of the elbow using 72 kVp, 4 mAs, small FSS generated EI 1375. What mAs should the technologist use during the repeat procedure if the departmental TEI is 800?
10. The Radiographic image of the pelvis using 85 kVp, 60 mAs, large FSS generated EI of 375. What mAs should the technologist use during the repeat procedure if the departmental TEI is 450?
11. The Radiographic image of the knee using 70 kVp, 20 mAs, small FSS generated EI of 1977. What mAs should the technologist use during the repeat procedure if the departmental TEI is 800?
12. The Radiographic image of the Abdomen (KUB) using 80 kVp, 20 mAs, small FSS generated EI of 1255. What mAs should the technologist use during the repeat procedure if the departmental TEI is 400?
13. The Radiographic image of the knee using 70 kVp, 20 mAs, small FSS generated EI of 300. What mAs should the technologist use during the repeat procedure if the departmental TEI is 800?
14. The Radiographic image of the hand using 65 kVp, 3.2 mAs, small FSS generated EI of 495. What mAs should the technologist use during the repeat procedure if the departmental TEI is 800?
15. The Radiographic image of the pelvis using 85 kVp, 12 mAs, large FSS generated EI of 750. What mAs should the technologist use during the repeat procedure if the departmental TEI is 450?

DR Index Practice Answer Section

NUMERIC RESPONSE

1. ANS: 10 mAs
PTS: 1
2. ANS: 8 mAs
PTS: 1
3. ANS: 1mAs
PTS: 1
4. ANS: 1mAs
PTS: 1
5. ANS: 4 mAs
PTS: 1
6. ANS: 160 mAs
PTS: 1
7. ANS: 40 mAs
PTS: 1
8. ANS: 50mAs
PTS: 1
9. ANS: 2.3 mAs
PTS: 1
10. ANS: 72 mAs
PTS: 1
11. ANS: 8 mAs
PTS: 1
12. ANS: 6.4 mAs
PTS: 1
13. ANS: 53 mAs
PTS: 1
14. ANS: 5.2 mAs
PTS: 1
15. ANS: 7.2 mAs

PTS: 1