

DIGITAL OPTIMUM kV

| Body Part | kV |
|----------------------------|--------------------|
| Chest (Bucky/Grid) | 117-125 |
| Chest (Non Grid) | 85-95 (105) |
| Abdomen | 85-95 |
| Abdomen (Iodine) | 75-80 |
| Extremities (Table Top) | 65-75 |
| Extremities (Grid) | 70-80 |
| Extremities (Bucky) | 75-85 |
| AP Spines | 85-95 |
| C-Spine Lateral | 85-100 |
| T-Spine Lateral | 85-100 |
| L-Spine Lateral | 85-100 |
| Ribs (Upper and Lower) | 80-90 |
| Skull | 80-90 |
| BE – (Regular) | 110-120 |
| BE – (Air Contrast) | 100-110 |
| Pediatric: | |
| Infant Extremities | 50-65 |
| Pediatric Chest (Non Grid) | 70-85 |

| Dose Exposure Saved at 40" SID | | | | | | | |
|--------------------------------|----|-----|-----------|---------------------|-----------------------|------------------|--------------------------|
| SID | kV | mAs | Dose (mR) | Radiation Saved (%) | 50% EI Decrease (mAs) | 50% EI Dose (mR) | Total Dose Reduction (%) |
| 40" | 70 | 20 | 221.0 | | | | |
| 40" | 81 | 10 | 152.8 | 30.90% | 5.0 | 76.4 | 65.43% |
| 40" | 85 | 8 | 134.8 | 39.00% | 4.0 | 67.4 | 69.50% |
| 40" | 90 | 6.3 | 120.0 | 45.70% | 3.2 | 60.0 | 72.85% |
| 40" | 96 | 4 | 87.0 | 60.60% | 2.0 | 43.5 | 80.32% |



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