

Dose Reduction Process Flow Diagram – alternate accessible version

1. Prep for building
 - a. Obtain initial vendor apps Training
 - b. Set dose watch parameters
 - c. Remove 140 kVp protocols
 - d. Enable dose modulation
 - e. Build protocols
 - f. Label protocols “adult” and “pediatric”
2. Basic protocol build
 - a. Set upper and lower limits (dose modulation)
 - b. Reduce rotation speed
 - c. Body Scan?
 - i. Yes – Increase Pitch for body scans
 - d. Enable iterative construction
 - e. Create written protocol
3. Reduce radiation dose
 - a. Increase noise index by 5% increments
 - b. Perform phantom test to ensure quality
 - c. Begin performing studies
 - d. Radiologist provides feedback on study quality
 - e. Quality image?
 - i. If yes, go back to A
 - ii. If no, adjust to previous setting
4. Update protocol
 - a. Radiologist reviews and approves final protocol
 - b. Update written protocol
 - c. Educate and implement new protocols.