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.