

Advantages and Disadvantages

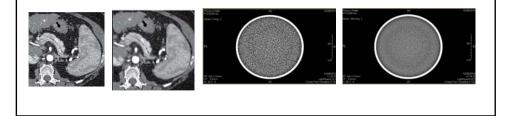
Advantages

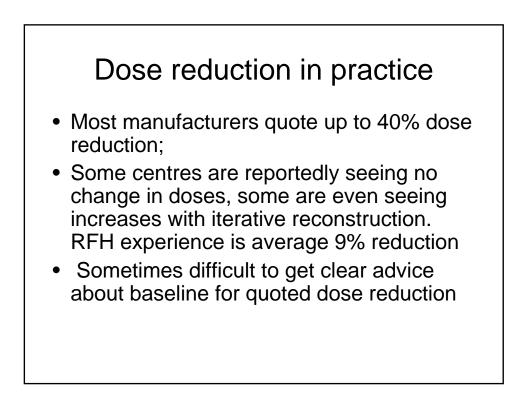
•Reduction in patient dose;

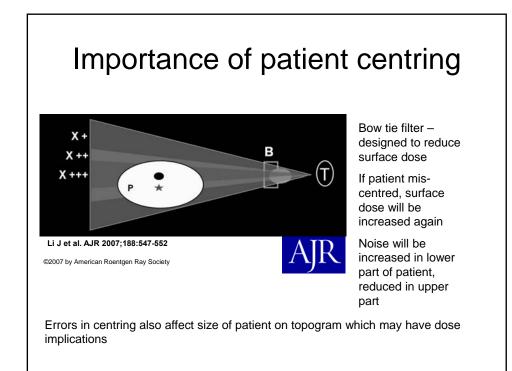
•Improvement in low contrast resolution due to reduction in noise; Disadvantages

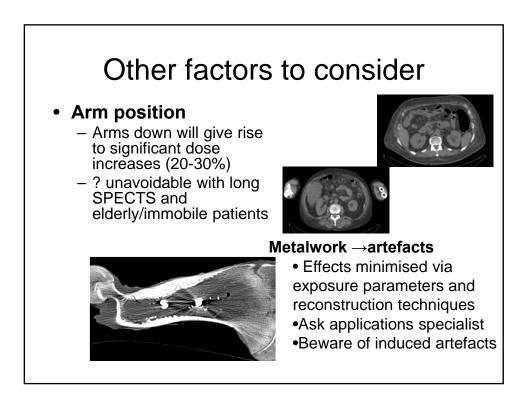
•Reconstructions can be time consuming;

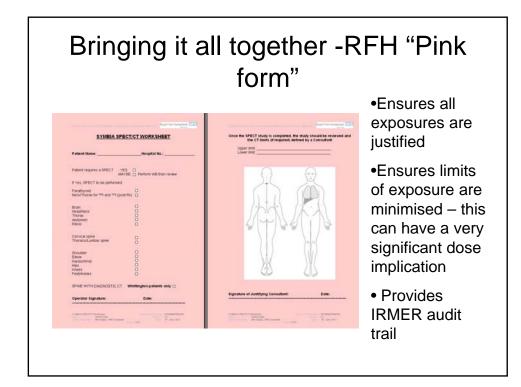
•Can alter the appearance on the final image;

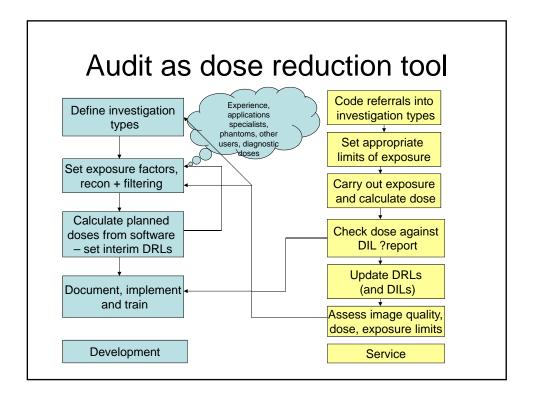












The road to optimisation

• Hitting the sweet spot on the quality/dose trade off is difficult

• Have to accept some aspects are more art than science but...

• We need to have some evidence of optimisation for IRMER



Road A – Start with very low dose images and gradually increase Risk of images being inadequate for clinical question

Road B – Start with images higher dose gradually reduce until images more difficult to interpret

Temptation to settle for higher quality images than clinical question requires

Isn't all this like a lot of hard work? At present this is all • uncharted territory - Freedoms with challenges Very few protocols ready • to apply 'out of the box' Not generally developed • for British/European market No national DRLs as yet, but plans to set up a working party Make sure that you are ready to have your say!

