Protocol designed to minimize the amount of radiation while maximizing the yield and produce diagnostically acceptable image quality.

Trauma Extremity  8/15/2010

Extremities scanned through the body will require an appropriate increase in technique. Additional recon job added as required to result in true axial plane images.

Scan Parameters:

Place in true anatomical position if possible

Scan range- from above to below requested region/fracture

CTDI: ~ 15 mGy
Collimation: 64 x 0.625
Rotation time: 0.5
Pitch: 0.516:1
Speed/mm sec: 41.28

Reconstruction Parameters:

Focused DFOV all recons, Perform additional recons as needed in order to obtain true axial/sagittal or coronal planes

Bone Recon
1.25 mm slice thickness
1.25 mm slice increment
Filter: Bone
Type: Plus

ST Recon
2.5 mm slice thickness
2.5 mm slice increment
Filter: Standard
Type: Plus

Sagittal MPR
1.25 mm slice thickness
1.25 mm slice increment
Window: Bone

Coronal MPR
1.25 mm slice thickness
1.25 mm slice increment
Window: Bone

3D Recon
0.625 mm slice thickness
0.625 mm slice increment
Filter: Standard

VRT Rotation/Tumble
Create appropriate 3D image batches on Post Processing Software
3D image batch should visualize all anatomy of interest in as many planes as possible

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