PROJ_DOTATATE_PET_CT_6.MlAdult_PET6

7. marts 2013

Indhold

1 Topogram

1.1 Routine

- mA: 35
- kV: 120
- Topogram length: 0 mm
- Tube position: Top

1.2 Scan

- mA: 35
- kV: 120
- Delay: 4s
- Topogram length: 0 mm
- Direction: Craniocaudal
- Tube position: Top
- API: None
- Kernel: 80s shar
- Window: Topogram Body

2 CT WB

2.1 Routine

- Eff. mAs: 225
- kV: 120
- CARE Dose4D: On
- CareDoseType: CareDoseAEC
- CTDlvol: 15.1475mGy
- Scan time: 12.680 s
- Delay: 4.000 s
- Slice: 3.00 mm
- No. of images: Samme som i foerste recon, slet?(y/n)
- Tilt: 0.0 grader

2.2 Scan

- Quality ref. mAs: 225
- Eff. mAs: 225
- kV: 120
- Scan time: 12.680 s
- Rotation time: 0.500 s
- Delay: 4.000 s
- Slice: 3.00 mm
- Pitch: 1.2000000

- Direction: Craniocaudal

2.3 Recons

2.3.1 Recon 1

- Series description: AC CT
- Slice: 3.00
- Kernel: B19f PET very smooth
- Window: Abdomen
- Extended FoV: On
- FoV: 700
- Center X: 0
- Center Y: 0
- Mirroring: None
- Extended CT scale: Standard
- Recon job: Axial
- Recon Axis: Axial
- Image order: Craniocaudal
- Recon increment: 3.000
- No. of images: 274

2.3.2 Recon 2

- Series description: CT WB 3.0 B30f
- Slice: 3.00
- Kernel: B30f medium smooth
- Window: Abdomen
- Extended FoV: Off
- FoV: 500
- Center X: 0
- Center Y: 0
- Mirroring: None
- Extended CT scale: Standard
- Recon job: Axial
- Recon Axis: Axial
- Image order: Craniocaudal
- Recon increment: 3.000
- No. of images: 274

2.3.3 Recon 3

- Series description: CT WB 3.0 SPO cor
- Slice: 3.00
- Kernel: B30f medium smooth
- Window: Abdomen
- Extended FoV: Off

- FoV: 821
- Center X: 0
- Center Y: 0
- Mirroring: None
- Extended CT scale: Standard
- Recon job: 3D
- Recon Axis: Coronal
- Image order: AP
- Recon increment: 3.000
- No. of images: 167

2.3.4 Recon 4

- Series description: CT WB 3.0 SPO sag
- Slice: 3.00
- Kernel: B30f medium smooth
- Window: Abdomen
- Extended FoV: Off
- FoV: 821
- Center X: 0
- Center Y: 0
- Mirroring: None
- Extended CT scale: Standard
- Recon job: 3D
- Recon Axis: Sagittal
- Image order: LeftToRight
- Recon increment: 3.000
- No. of images: 274

3 Pause

4 PET WB

4.1 Routine

- Isotope: Cu-64
- Pharm.: DOTATATE
- Inj. Dose: 1 MegaBequerels
- Scan mode: Sinogram
- Scan range: Match CT FOV
- No. of beds: 5
- Scan duration/bed: 180 Seconds

4.2 Scan

- Autoload: On

- Rebinner LUT: Off
- Scan output: Sinogram
- Sinogram mode: Trues
- Input trigger signal: None
- LLD (keV): 435
- ULD (keV): 650

4.3   Recons

4.3.1   Recon 1

- Series description: PET WB Image check
- Recon range (bed): -1 to -1
- Output image type: Corrected
- Recon method: Iterative3D
- Iterations: 4
- Subsets: 8
- Image size: 168
- Zoom: 1
- Filter: Gaussian
- FWHM (mm): 4
- Offset X: 0 mm
- Offset Y: 0 mm
- Attenuation correction: On (1)
- Scatter correction: On
- Match CT slice location: On
- Save intermediate data: Off

4.3.2   Recon 2

- Series description: PET WB DOTATATE True X 2 mm
- Recon range (bed): -1 to -1
- Output image type: Corrected
- Recon method: TrueX
- Iterations: 3
- Subsets: 21
- Image size: 336
- Zoom: 1
- Filter: Gaussian
- FWHM (mm): 2
- Offset X: 0 mm
- Offset Y: 0 mm
- Attenuation correction: On (1)
- Scatter correction: On
- Match CT slice location: On

- Save intermediate data: Off

4.3.3 Recon 3

- Series description: PET WB UDEN True X
- Recon range (bed): -1 to -1
- Output image type: Corrected
- Recon method: Iterative
- Iterations: 3
- Subsets: 21
- Image size: 336
- Zoom: 1
- Filter: Gaussian
- FWHM (mm): 4
- Offset X: 0 mm
- Offset Y: 0 mm
- Attenuation correction: On (1)
- Scatter correction: On
- Match CT slice location: On
- Save intermediate data: Off

4.3.4 Recon 4

- Series description: no AC
- Recon range (bed): -1 to -1
- Output image type: Uncorrected
- Recon method: Iterative
- Iterations: 3
- Subsets: 21
- Image size: 336
- Zoom: 1
- Filter: Gaussian
- FWHM (mm): 4
- Offset X: 0 mm
- Offset Y: 0 mm
- Attenuation correction: On (1)
- Scatter correction: On
- Match CT slice location: On
- Save intermediate data: Off