PETCT_NEMA_IQ.MlAdult_PET6

30. maj 2013

Indhold

1 Topogram

1.1 Routine

- mA: 35
- kV: 120
- Topogram length: 512 mm
- Tube position: Top

1.2 Scan

- mA: 35
- kV: 120
- Delay: 4s
- Topogram length: 512 mm
- Direction: Craniocaudal
- Tube position: Top
- API: None
- Kernel: 80s shar
- Window: Topogram Body

2 Topogram

2.1 Routine

- mA: 35
- kV: 120
- Topogram length: 512 mm
- Tube position: Lateral

2.2 Scan

- mA: 35
- kV: 120
- Delay: 4s
- Topogram length: 512 mm
- Direction: Caudocranial
- Tube position: Lateral
- API: None
- Kernel: 80s shar
- Window: Topogram Body

3 CT Body

3.1 Routine

- Eff. mAs: 170

- kV: 120
- CARE Dose4D: On
- CareDoseType: CareDoseAEC
- CTDlvol: 11.4779mGy
- Scan time: 5.630 s
- Delay: 4.000 s
- Slice: 2.00 mm
- No. of images: Samme som i foerste recon, slet?(y/n)
- Tilt: 0.0 grader

3.2   Scan

- Quality ref. mAs: 170
- Eff. mAs: 170
- kV: 120
- Scan time: 5.630 s
- Rotation time: 0.500 s
- Delay: 4.000 s
- Slice: 2.00 mm
- Pitch: 0.8000000
- Direction: Craniocaudal

3.3   Recons

3.3.1   Recon 1

- Series description: AC CT
- Slice: 2.00
- 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: 2.000
- No. of images: 111

3.3.2   Recon 2

- Series description: CT Body 2.0 B30f
- Slice: 2.00

- 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: 2.000
- No. of images: 111

4 Pause

5 PET Control

5.1 Routine

- Isotope: F-18
- Pharm.: FDG
- Inj. Dose: 10 Millicuries
- Scan mode: Sinogram
- Scan range: Match CT FOV
- No. of beds: 1
- Scan duration/bed: 60 Seconds

5.2 Scan

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

5.3 Recons

5.3.1 Recon 1

- Series description: PET WB
- Recon range (bed): -1 to -1
- Output image type: Corrected
- Recon method: Iterative

- Iterations: 4
- Subsets: 8
- Image size: 168
- Zoom: 1
- Filter: Gaussian
- FWHM (mm): 5
- Offset X: 0 mm
- Offset Y: 0 mm
- Attenuation correction: On (1)
- Scatter correction: On
- Match CT slice location: On
- Save intermediate data: Off

6 Pause

7 PET LM1 13

7.1 Routine

- Isotope: F-18
- Pharm.: FDG
- Inj. Dose: 10 Millicuries
- Scan mode: List mode
- Scan range: Match CT FOV
- No. of beds: 1
- Scan duration/bed: 13 Minutes

7.2 Scan

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

7.3 Recons

7.3.1 Recon 1

- Series description: PET WB
- Recon range (bed): -1 to -1
- Output image type: NoRecon
- Recon method: Iterative
- Iterations: 4

- Subsets: 8
- Image size: 168
- Zoom: 1
- Filter: Gaussian
- FWHM (mm): 5
- Offset X: 0 mm
- Offset Y: 0 mm
- Attenuation correction: On (1)
- Scatter correction: On
- Match CT slice location: On
- Save intermediate data: Off

8 Pause

9 PET LM2 14

9.1 Routine

- Isotope: F-18
- Pharm.: FDG
- Inj. Dose: 10 Millicuries
- Scan mode: List mode
- Scan range: Match CT FOV
- No. of beds: 1
- Scan duration/bed: 14 Minutes

9.2 Scan

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

9.3 Recons

9.3.1 Recon 1

- Series description: PET WB
- Recon range (bed): -1 to -1
- Output image type: NoRecon
- Recon method: Iterative
- Iterations: 4
- Subsets: 8

- Image size: 168
- Zoom: 1
- Filter: Gaussian
- FWHM (mm): 5
- Offset X: 0 mm
- Offset Y: 0 mm
- Attenuation correction: On (1)
- Scatter correction: On
- Match CT slice location: On
- Save intermediate data: Off

10 Pause

11 PET LM3 15

11.1 Routine

- Isotope: F-18
- Pharm.: FDG
- Inj. Dose: 10 Millicuries
- Scan mode: List mode
- Scan range: Match CT FOV
- No. of beds: 1
- Scan duration/bed: 15 Minutes

11.2 Scan

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

11.3 Recons

11.3.1 Recon 1

- Series description: PET WB
- Recon range (bed): -1 to -1
- Output image type: NoRecon
- Recon method: Iterative
- Iterations: 4
- Subsets: 8
- Image size: 168

- Zoom: 1
- Filter: Gaussian
- FWHM (mm): 5
- Offset X: 0 mm
- Offset Y: 0 mm
- Attenuation correction: On (1)
- Scatter correction: On
- Match CT slice location: On
- Save intermediate data: Off