PETCT_HeadNeck.MlAdult_PET5

27. februar 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: 20s standar
- Window: Topogram Body

2 CT HeadNeck

2.1 Routine

- Eff. mAs: 150
- kV: 120
- CARE Dose4D: On
- CareDoseType: CareDoseAEC
- CTDlvol: 11.4602mGy

- Scan time: 16.010 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: 150

- Eff. mAs: 150

- kV: 120

- Scan time: 16.010 s

- Rotation time: 1.000 s

- Delay: 4.000 s

- Slice: 3.00 mm

- Pitch: 0.8000000

- Direction: Craniocaudal

2.3 Recons

2.3.1 Recon 1

- Series description: tmp CT HeadNeck RTD

- Slice: 3.00

- Kernel: B19s PET very smooth

- Window: Larynx

- 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: 3.900

- No. of images: 57

2.3.2 Recon 2

- Series description: AC CT

- Slice: 3.00

- Kernel: B19s PET very smooth

- Window: Larynx

- 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

2.3.3   Recon 3

- Series description: CT HeadNeck 2.0 B31s

- Slice: 2.00

- Kernel: B31s medium smooth +

- Window: Larynx

- 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: 1.500

- No. of images: 148

3   Pause

4   PET HeadNeck

4.1   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: 10 Minutes

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 HeadNeck

- Recon range (bed): -1 to -1

- Output image type: Corrected

- Recon method: Iterative

- Iterations: 6

- Subsets: 16

- Image size: 256

- 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

4.3.2   Recon 2

- Series description: PET HeadNeck Uncorrected

- Recon range (bed): -1 to -1

- Output image type: Uncorrected

- Recon method: Iterative

- Iterations: 6

- Subsets: 16

- Image size: 256

- Zoom: 1

- Filter: Gaussian

- FWHM (mm): 2

- Offset X: 0 mm

- Offset Y: 0 mm

- Attenuation correction: On (1)

- Scatter correction: Off

- Match CT slice location: On

- Save intermediate data: Off