PETCT_Lung_LM.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: 80s shar

- Window: Topogram Body

2 CT Lung

2.1 Routine

- Eff. mAs: 120

- kV: 120

- CARE Dose4D: On

- CareDoseType: CareDoseAEC

- CTDlvol: 9.18517mGy

- Scan time: 4.920 s

- Delay: 4.000 s

- Slice: 5.00 mm

- No. of images: Samme som i foerste recon, slet?(y/n)

- Tilt: 0.0 grader

2.2   Scan

- Quality ref. mAs: 120

- Eff. mAs: 120

- kV: 120

- Scan time: 4.920 s

- Rotation time: 0.500 s

- Delay: 4.000 s

- Slice: 5.00 mm

- Pitch: 1.4000000

- Direction: Craniocaudal

2.3   Recons

2.3.1   Recon 1

- Series description: tmp CT Lung RTD

- Slice: 3.00

- Kernel: B19f PET very smooth

- Window: Mediastinum

- 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: 13.500

- No. of images: 18

2.3.2 Recon 2

- Series description: AC CT

- Slice: 5.00

- Kernel: B19f PET very smooth

- Window: Mediastinum

- 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: 74

2.3.3   Recon 3

- Series description: CT Lung 2.0 B31f

- Slice: 2.00

- Kernel: B31f medium smooth +

- Window: Mediastinum

- Extended FoV: Off

- FoV: 300

- 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

2.3.4   Recon 4

- Series description: CT Lung 2.0 B70f

- Slice: 2.00

- Kernel: B70f very sharp

- Window: Lung

- Extended FoV: Off

- FoV: 300

- 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 Lung LM

4.1   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: 10 Minutes

4.2   Scan

- Autoload: On

- Rebinner LUT: Off

- Scan output: List mode

- Sinogram mode: Trues

- Input trigger signal: Resp

- LLD (keV): 435

- ULD (keV): 650

4.3   Recons

4.3.1   Recon 1

- Series description: PET Lung

- 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