PROJ_Breathhold_PET_6.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 CT LUNG

2.1 Routine

- Eff. mAs: 225
- kV: 120
- CARE Dose4D: On
- CareDoseType: CareDoseAEC
- CTDIvol: 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: 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: 274

2.3.2 Recon 2

- Series description: CT LUNG 3.0 B30f
- Slice: 3.00
- Kernel: B30f medium smooth
- Window: Mediastinum
- 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

3 Pause

4 PET 1 LUNG

4.1 Routine

- Isotope: F-18

- Pharm.: FDG
- Inj. Dose: 1 MegaBequerels
- Scan mode: Sinogram
- Scan range: Match CT FOV
- No. of beds: 5
- Scan duration/bed: 150 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 1 Lung Corrected
- 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): 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 1 LUNG Corr 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 1 LUNG Corr OSEM
- Recon range (bed): -1 to 1
- Output image type: Corrected
- Recon method: Iterative
- Iterations: 4
- Subsets: 8
- Image size: 256
- 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

5 Pause

6 PET 2 LUNG

6.1 Routine

- Isotope: F-18
- Pharm.: FDG
- Inj. Dose: 1 MegaBequerels
- Scan mode: Sinogram
- Scan range: Match CT FOV
- No. of beds: 5
- Scan duration/bed: 150 Seconds

6.2   Scan

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

6.3   Recons

6.3.1   Recon 1

- Series description: PET 2 LUNG Corrected
- 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

6.3.2   Recon 2

- Series description: PET 2 LUNG Corrected 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

6.3.3   Recon 3

- Series description: PET 2 LUNG Corrected OSEM
- Recon range (bed): -1 to 1
- Output image type: Corrected
- Recon method: Iterative
- Iterations: 4
- Subsets: 8
- Image size: 256
- 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

7   Pause

8   PET 3 LUNG

8.1   Routine

- Isotope: F-18
- Pharm.: FDG
- Inj. Dose: 1 MegaBequerels
- Scan mode: Sinogram
- Scan range: Match CT FOV
- No. of beds: 5
- Scan duration/bed: 150 Seconds

8.2   Scan

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

8.3   Recons

8.3.1   Recon 1

- Series description: PET 3 LUNG Corrected
- 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): 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

8.3.2   Recon 2

- Series description: PET WB 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

8.3.3   Recon 3

- Series description: PET 3 LUNG Corr. OSEM
- Recon range (bed): -1 to 1
- Output image type: Corrected
- Recon method: Iterative

- Iterations: 4
- Subsets: 8
- Image size: 256
- 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