PROJ_Breathhold_PET_6.MlAdult_PET6

20. 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: 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: 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