$6_PROJ_Breathhold_FDG_PET_5.MlAdult$

22. oktober 2012

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1 Topogram

1.1 Routine

• mA: 35

• kV: 120

• Topogram length: 0 mm

• Tube position: Top

1.2 Scan

• mA: 35

• kV: 120

• Delay: 4s

• Topogram length: 270 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: 14.840 s

• Delay: 4.000 s

• Slice: 3.00 mm

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

• Tilt: 225 grader

2.2 Scan

• Quality ref. mAs: 225

• Eff. mAs: 225

• kV: 120

• Scan time: 14.840 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: 324

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: 324

3 Pause

4 PET Lung

4.1 Routine

• Isotope: F-18

• Pharm.: FDG

• Inj. Dose: 1 MegaBequerels

 $\bullet\,$ Inj. date (date/month - year): 16/08 - 2012

• Inj. time: 15:40:00

• Scan mode: Sinogram

• Scan range: Match CT FOV

• No. of beds: 1

• Scan duration/bed: 20 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): Automatic/All/dunno
- 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): Automatic/All/dunno
- 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): Automatic/All/dunno
- 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 Lung

6.1 Routine

- Isotope: F-18
- Pharm.: FDG
- Inj. Dose: 1 MegaBequerels
- $\bullet\,$ Inj. date (date/month year): 16/08 2012
- Inj. time: 15:40:00
- Scan mode: Sinogram
- Scan range: Match CT FOV
- No. of beds: 1
- Scan duration/bed: 20 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): Automatic/All/dunno
- 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

6.3.2 Recon 2

- Series description: PET 2 Lung Corr True X 2 mm
- Recon range (bed): Automatic/All/dunno
- 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): Automatic/All/dunno
- 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 Lung

8.1 Routine

- Isotope: F-18
- Pharm.: FDG
- Inj. Dose: 1 MegaBequerels
- Inj. date (date/month year): 16/08 2012
- Inj. time: 15:40:00
- Scan mode: Sinogram
- Scan range: Match CT FOV
- No. of beds: 1
- Scan duration/bed: 20 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): Automatic/All/dunno
- 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 3 Lung Corr True X 2 mm
- Recon range (bed): Automatic/All/dunno
- 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 Corrected OSEM
- Recon range (bed): Automatic/All/dunno
- 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