$PROJ_Breathhold_FDG_PET_5.MlAdult$

1. 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: 0 mm
- Direction: Craniocaudal
- Tube position: Top
- API: None
- Kernel: T80s sharp
- Window: Topogram Body

2 CT WB

2.1 Routine

- Eff. mAs: 225
- kV: 14
- CARE Dose4D: On
- CTDlvol: 15.1475mGy
- \bullet Scan time: 1.2000000 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: 0.6 mm

• Pitch: 1.2000000

• Direction: Craniocaudal

2.3 Recon

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 WB

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 PtSecond

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 Recon

4.3.1 Recon 1

- Series description: PET 1 Lung Corrected
- Recon range (bed): ups..
- 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): ups..
- 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): ups..
- 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