4_4_PET_CT_FDG_Brain_Terapi.Adult

22. oktober 2012

Indhold

1 Topogram

1.1 Routine

- mA: 35
- kV: 120
- Topogram length: 256 mm
- Tube position: Lateral

1.2 Scan

- mA: 35
- kV: 120
- Delay: 4s
- Topogram length: 256 mm
- Direction: Craniocaudal
- Tube position: Lateral
- API: API
- Kernel: 20
- Window: Topogram

2 CT Brain

2.1 Routine

- Eff. mAs: 380
- kV: 120
- CARE Dose4D: On
- CareDoseType: CareDoseAEC
- CTDlvol: 64.904mGy

- Scan time: 69.330 s

- Delay: 2.000 s

- Slice: 1 mm

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

- Tilt: 0.0 grader

2.2 Scan

- Quality ref. mAs: 380

- Eff. mAs: 380

- kV: 120

- Scan time: 69.330 s

- Rotation time: 1.000 s

- Delay: 2.000 s

- Slice: 1 mm

- Pitch: 0.55

- Direction: Craniocaudal

2.3 Recons

2.3.1 Recon 1

- Series description: tmp CT Brain RTD

- Slice: 5

- Kernel: H19s

- Window: Cerebrum

- Extended FoV: false

- 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: 5.000

- No. of images: 45

2.3.2   Recon 2

- Series description: AC CT 1mm

- Slice: 1

- Kernel: H19s

- Window: Cerebrum

- Extended FoV: false

- 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: 1.000

- No. of images: 224

2.3.3   Recon 3

- Series description: Cranie VIR 2.0 H30S
- Slice: 2
- Kernel: H30s
- Window: Cerebrum
- Extended FoV: false
- 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: 2.000
- No. of images: 112

2.3.4   Recon 4

- Series description: AC CT 3mm
- Slice: 3
- Kernel: H19s
- Window: Cerebrum
- Extended FoV: false
- 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: 3.000

- No. of images: 75

3 Pause

4 PET Brain

4.1 Routine

- Isotope: F-18

- Pharm.: Fluorodeoxyglucose

- Inj. Dose: 1000000.000000 Bequerels

- Inj. date (date/month - year): 09/08 - 2012

- Inj. time: 16:04:33

- Scan mode: Sinogram

- Scan range: Match CT FOV

- No. of beds: Not given. Check recon range

- Scan duration/bed: 10.000000 Minutes

4.2 Scan

- Autoload: true

- Rebinner LUT: N/A

- Scan output: Sinogram

- Sinogram mode: false

- Input trigger signal: None

- LLD (keV): N/A

- ULD (keV): N/A

4.3 Recons

4.3.1 Recon 1

- Series description: PET Brain Image Check

- Recon range (bed): 1 to 1

- Output image type: Corrected

- Recon method: Iterative3D

- Iterations: 4

- Subsets: 8

- Image size: 200

- Zoom: 3.000000

- Filter: Gaussian

- FWHM (mm): 3.000000

- Offset X: 0 mm

- Offset Y: 0 mm

- Attenuation correction: On (1)

- Scatter correction: true

- Match CT slice location: true

- Save intermediate data: false

4.3.2   Recon 2

- Series description: Osem3D 4 it 24 sub 3 mm

- Recon range (bed): 1 to 1

- Output image type: Corrected

- Recon method: Iterative3D

- Iterations: 4

- Subsets: 24

- Image size: 400

- Zoom: 2.000000

- Filter: Gaussian

- FWHM (mm): 3.000000

- Offset X: 0 mm

- Offset Y: 0 mm

- Attenuation correction: On (3)

- Scatter correction: true

- Match CT slice location: true

- Save intermediate data: false