4_PET_CT_LM_FET_Brain_Terapi_neuroperf_dyn.Adult

23. 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

2.1 Routine

- Eff. mAs: 340

- kV: 120

- CARE Dose4D: Off

- CareDoseType: CareDoseAEC

- CTDlvol: 58.072mGy

- Scan time: 26.420 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: 350

- Eff. mAs: 340

- kV: 120

- Scan time: 26.420 s

- Rotation time: 1.000 s

- Delay: 2.000 s

- Slice: 1 mm

- Pitch: 1.50

- Direction: Caudocranial

2.3 Recons

2.3.1 Recon 1

- Series description: tmp CT 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: Caudocranial

- 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: Caudocranial

- Recon increment: 1.000

- No. of images: 224

2.3.3 Recon 3

- Series description: CT 1mm Brain H31s

- Slice: 1

- Kernel: H31s

- 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: Caudocranial

- Recon increment: 1.000

- No. of images: 224

2.3.4 Recon 4

- Series description: CT 3.0mm BrainH31s

- Slice: 3

- Kernel: H31s

- 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: Caudocranial

- Recon increment: 3.000

- No. of images: 75

2.3.5   Recon 5

- Series description: CT 8.0mm BrainH31s

- Slice: 8

- Kernel: H31s

- 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: Caudocranial

- Recon increment: 8.000

- No. of images: 28

3 Pause

4 PET Brain LM

4.1 Routine

- Isotope: F-18

- Pharm.: FET

- Inj. Dose: 1000000.000000 Bequerels

- Inj. date (date/month - year): 19/09 - 2012

- Inj. time: 12:53:32

- Scan mode: List mode

- Scan range: Match CT FOV

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

- Scan duration/bed: 40.000000 Minutes

4.2 Scan

- Autoload: false

- Rebinner LUT: N/A

- Scan output: List mode

- 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: FET dyn 20-40min 5mm CT3mm

- Recon range (bed): Automatic/All/dunno

- Output image type: Corrected

- Recon method: Iterative3D

- Iterations: 4

- Subsets: 12

- Image size: 400

- Zoom: 2.500000

- Filter: Gaussian

- FWHM (mm): 5.000000

- Offset X: 0 mm

- Offset Y: 0 mm

- Attenuation correction: On (3)

- Scatter correction: true

- Match CT slice location: true

- Save intermediate data: false

4.3.2 Recon 2

- Series description: FET dyn 10-30min 5mm CT8mm

- Recon range (bed): Automatic/All/dunno

- Output image type: Corrected

- Recon method: Iterative3D

- Iterations: 4

- Subsets: 12

- Image size: 400

- Zoom: 2.500000

- Filter: Gaussian

- FWHM (mm): 5.000000

- Offset X: 0 mm

- Offset Y: 0 mm

- Attenuation correction: On (4)

- Scatter correction: true

- Match CT slice location: true

- Save intermediate data: false

4.3.3 Recon 3

- Series description: FET dyn 8f 5min 5mm CT3mm

- Recon range (bed): Automatic/All/dunno

- Output image type: Corrected

- Recon method: Iterative3D

- Iterations: 4

- Subsets: 12

- Image size: 400

- Zoom: 2.500000

- Filter: Gaussian

- FWHM (mm): 5.000000

- Offset X: 0 mm

- Offset Y: 0 mm

- Attenuation correction: On (3)

- Scatter correction: true

- Match CT slice location: true

- Save intermediate data: false

4.3.4   Recon 4

- Series description: FET Dyn 22f 5mm CT3mm

- Recon range (bed): Automatic/All/dunno

- Output image type: Corrected

- Recon method: Iterative3D

- Iterations: 4

- Subsets: 12

- Image size: 400

- Zoom: 2.500000

- Filter: Gaussian

- FWHM (mm): 5.000000

- Offset X: 0 mm

- Offset Y: 0 mm

- Attenuation correction: On (3)

- Scatter correction: true

- Match CT slice location: true

- Save intermediate data: false

4.3.5   Recon 5

- Series description: FET dyn 25-35min 5mm CT3mm

- Recon range (bed): Automatic/All/dunno

- Output image type: Corrected

- Recon method: Iterative3D

- Iterations: 4

- Subsets: 12

- Image size: 400

- Zoom: 2.500000

- Filter: Gaussian

- FWHM (mm): 5.000000

- Offset X: 0 mm

- Offset Y: 0 mm

- Attenuation correction: On (3)

- Scatter correction: true

- Match CT slice location: true

- Save intermediate data: false

5 Pause

6 ReadOnly=1 ResID=892 DynMulti4D

6.1 Routine

- Eff. mAs: 181

- kV: 80

- CARE Dose4D: Off

- CareDoseType: CareDose

- CTDlvol: 328.42mGy

- Scan time: 1.500 s

- Delay: 4.000 s

- Slice: 5 mm

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

- Tilt: 0.0 grader

6.2 Scan

- Quality ref. mAs: 250

- Eff. mAs: 181

- kV: 80

- Scan time: 1.500 s

- Rotation time: 0.330 s

- Delay: 4.000 s

- Slice: 5 mm

- Pitch: 1.10

- Direction: Caudocranial

6.3 Recons

6.3.1 Recon 1

- Series description: tmp DynMulti4D RTD

- Slice: 4

- Kernel: H20f

- Window: Cerebrum

- Extended FoV: false

- FoV: 200

- Center X: 0

- Center Y: 0

- Mirroring: None

- Extended CT scale: Standard

- Recon job: Axial

- Recon Axis: Axial

- Image order: Caudocranial

- Recon increment: 31.300

- No. of images: 90

6.3.2   Recon 2

- Series description: VPCT DynMulti4D 5.0 H20f

- Slice: 5

- Kernel: H20f

- Window: Cerebrum

- Extended FoV: false

- FoV: 200

- Center X: 0

- Center Y: 0

- Mirroring: None

- Extended CT scale: Standard

- Recon job: Axial

- Recon Axis: Axial

- Image order: Caudocranial

- Recon increment: 5.000

- No. of images: 390

6.3.3   Recon 3

- Series description: VPCT DynMulti4D 7.0 H20f

- Slice: 7

- Kernel: H20f

- Window: Cerebrum

- Extended FoV: false

- FoV: 200

- Center X: 0

- Center Y: 0

- Mirroring: None

- Extended CT scale: Standard

- Recon job: Axial

- Recon Axis: Axial

- Image order: Caudocranial

- Recon increment: 7.000

- No. of images: 270

6.3.4 Recon 4

- Series description: VPCT DynMulti4D 10.0 H20f

- Slice: 10

- Kernel: H20f

- Window: Cerebrum

- Extended FoV: false

- FoV: 200

- Center X: 0

- Center Y: 0

- Mirroring: None

- Extended CT scale: Standard

- Recon job: Axial

- Recon Axis: Axial

- Image order: Caudocranial

- Recon increment: 10.000

- No. of images: 180