

4_PET_CT_LM_FET_Brain_Terapi_neuroperf_dyn.Adult_PET4

30. maj 2013

Indhold

1	Topogram	1
1.1	Routine	1
1.2	Scan	1
2	CT	1
2.1	Routine	1
2.2	Scan	1
2.3	Recons	2
2.3.1	Recon 1	2
2.3.2	Recon 2	2
2.3.3	Recon 3	2
2.3.4	Recon 4	3
3	Pause	3
4	PET Brain LM	3
4.1	Routine	3
4.2	Scan	3
4.3	Recons	4
4.3.1	Recon 1	4
4.3.2	Recon 2	4
4.3.3	Recon 3	5
4.3.4	Recon 4	5
5	Pause	6
6	DynMulti4D	6
6.1	Routine	6
6.2	Scan	6
6.3	Recons	6
6.3.1	Recon 1	6
6.3.2	Recon 2	7
6.3.3	Recon 3	7
6.3.4	Recon 4	7

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: 350
- kV: 120
- CARE Dose4D: On
- CareDoseType: CareDoseAEC
- CTDIvol: 59.7805mGy
- Scan time: 26.222 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: 350
- kV: 120
- Scan time: 26.222 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: CT RTD
- Slice: 1.5
- Kernel: H19s
- Window: Cerebrum
- Extended FoV: Off
- 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: 1.500
- No. of images: 149

2.3.2 Recon 2

- Series description: AC CT 1mm
- Slice: 1
- Kernel: H19s
- Window: Cerebrum
- Extended FoV: Off
- 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: Off

- 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: Off
- 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

3 Pause

4 PET Brain LM

4.1 Routine

- Isotope: F-18
- Pharm.: FET
- Inj. Dose: 1000000 Bequerels
- Scan mode: List mode
- Scan range: Do not match CT FOV
- No. of beds: Not given. Check recon range
- Scan duration/bed: 40.000000 Minutes

4.2 Scan

- Autoload: Off

- Rebinner LUT: Off
- 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): 1 to 1
- 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: Off ()
- Scatter correction: On
- Match CT slice location: On
- Save intermediate data: Off

4.3.2 Recon 2

- Series description: FET dyn 10-30min 5mm CT3mm
- Recon range (bed): 1 to 1
- Output image type: Uncorrected
- 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: Off ()
- Scatter correction: Off
- Match CT slice location: Off

- Save intermediate data: Off

4.3.3 Recon 3

- Series description: FET Dyn 22f 5mm CT3mm
- Recon range (bed): 1 to 1
- 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: Off ()
- Scatter correction: On
- Match CT slice location: On
- Save intermediate data: Off

4.3.4 Recon 4

- Series description: FET dyn 25-35min 5mm CT3mm
- Recon range (bed): 1 to 1
- 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: Off ()
- Scatter correction: On
- Match CT slice location: On
- Save intermediate data: Off

5 Pause

6 DynMulti4D

6.1 Routine

- Eff. mAs: 181
- kV: 80
- CARE Dose4D: Off
- CareDoseType: CareDose
- CTDIvol: 253.326mGy
- 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: 1.00
- Direction: Caudocranial

6.3 Recons

6.3.1 Recon 1

- Series description: DynMulti4D RTD
- Slice: 4
- Kernel: H20f
- Window: Cerebrum
- Extended FoV: Off
- 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: 40.000
- No. of images: 90

6.3.2 Recon 2

- Series description: VPCT DynMulti4D 5.0 H20f
- Slice: 5
- Kernel: H20f
- Window: Cerebrum
- Extended FoV: Off
- 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: 480

6.3.3 Recon 3

- Series description: VPCT DynMulti4D 7.0 H20f
- Slice: 7
- Kernel: H20f
- Window: Cerebrum
- Extended FoV: Off
- 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: 360

6.3.4 Recon 4

- Series description: VPCT DynMulti4D 10.0 H20f
- Slice: 10
- Kernel: H20f
- Window: Cerebrum
- Extended FoV: Off

- 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: 240