

4\_PET\_CT\_LM\_FET\_Brain\_Terapi\_Stat\_neurope.Adult\_PET4

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# Indhold

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# **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 1.0mm 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 Brain H31s
- 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: 185000000 Bequerels
- Scan mode: List mode
- Scan range: Do not match CT FOV
- No. of beds: Not given. Check recon range
- Scan duration/bed: 20.000000 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 stat 20 40min 5 mm 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 stat 25 35min 5 mm 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