

# 4\_PET\_CT\_FDG\_Brain\_Terapi.Adult\_PET4

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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 Brain**

## **2.1 Routine**

- Eff. mAs: 380
- kV: 120
- CARE Dose4D: On
- CareDoseType: CareDoseAEC
- CTDIvol: 64.9045mGy

- Scan time: 69.697 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: 69.697 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: CT Brain 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: Craniocaudal
- 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: 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: Off
- 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: Off
- 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 Bequerels
- Scan mode: Sinogram
- Scan range: Do not match CT FOV
- No. of beds: Not given. Check recon range
- Scan duration/bed: 10.000000 Minutes

### **4.2   Scan**

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



### 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: Off ()
- Scatter correction: On
- Match CT slice location: On
- Save intermediate data: Off