

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

23. oktober 2012

# 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 Brain**

## **2.1 Routine**

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

- Scan time: 69.330 s
- Delay: 2.000 s
- Slice: 2 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: 2 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
- Slice: 2
- 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: 2.000
- No. of images: 112

### **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

## **3 Pause**

## **4 PET Brain**

### **4.1 Routine**

- Isotope: F-18
- Pharm.: Fluorodeoxyglucose
- Inj. Dose: 200000000.000000 Bequerels
- Inj. date (date/month - year): 08/08 - 2012
- Inj. time: 14:22:13

- 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 Corrected 3 mm zoom 3
- Recon range (bed): Automatic/All/dunno
- Output image type: Corrected
- Recon method: Iterative3D
- Iterations: 4
- Subsets: 24
- Image size: 400
- 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: Neurostat
- Recon range (bed): Automatic/All/dunno
- Output image type: Corrected
- Recon method: Iterative3D
- Iterations: 4
- Subsets: 8
- Image size: 128
- Zoom: 3.000000
- Filter: Gaussian
- FWHM (mm): 8.000000
- Offset X: 0 mm
- Offset Y: 0 mm
- Attenuation correction: On (1)
- Scatter correction: true
- Match CT slice location: true
- Save intermediate data: false