

# 3\_PET\_AC\_FDG\_Brain\_Neurostat.Adult\_PET4

23. januar 2013

# Indhold

<b>1</b>	<b>Topogram</b>	<b>1</b>
1.1	Routine . . . . .	1
1.2	Scan . . . . .	1
<b>2</b>	<b>CT Brain</b>	<b>1</b>
2.1	Routine . . . . .	1
2.2	Scan . . . . .	2
2.3	Recons . . . . .	2
2.3.1	Recon 1 . . . . .	2
2.3.2	Recon 2 . . . . .	3
<b>3</b>	<b>Pause</b>	<b>4</b>
<b>4</b>	<b>PET Brain</b>	<b>4</b>
4.1	Routine . . . . .	4
4.2	Scan . . . . .	4
4.3	Recons . . . . .	4
4.3.1	Recon 1 . . . . .	4
4.3.2	Recon 2 . . . . .	5

# **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: 30
- kV: 120
- CARE Dose4D: On
- CareDoseType: CareDoseAEC
- CTDIvol: 5.124mGy

- Scan time: 2.640 s
- Delay: 2.000 s
- Slice: 3 mm
- No. of images: Samme som i foerste recon, slet?(y/n)
- Tilt: 0.0 grader

## **2.2 Scan**

- Quality ref. mAs: 30
- Eff. mAs: 30
- kV: 120
- Scan time: 2.640 s
- Rotation time: 1.000 s
- Delay: 2.000 s
- Slice: 3 mm
- Pitch: 1.50
- Direction: Craniocaudal

## **2.3 Recons**

### **2.3.1 Recon 1**

- Series description: tmp CT Brain RTD
- Slice: 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: 5.000
- No. of images: 1

### **2.3.2 Recon 2**

- Series description: AC CT
- 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: 1

### **3 Pause**

### **4 PET Brain**

#### **4.1 Routine**

- Isotope: F-18
- Pharm.: Fluorodeoxyglucose
- Inj. Dose: 200000000 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 Corrected 3 mm zoom 3
- Recon range (bed): 1 to 1
- 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: Off ()
- Scatter correction: On
- Match CT slice location: On
- Save intermediate data: Off

#### **4.3.2 Recon 2**

- Series description: Neurostat
- Recon range (bed): 1 to 1
- 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: Off ()
- Scatter correction: On
- Match CT slice location: On
- Save intermediate data: Off