

# Hjerne\_FDG\_PET\_CT\_5.MlAdult

23. oktober 2012

# Indhold

<b>1</b>	<b>Topogram</b>	<b>1</b>
1.1	Routine . . . . .	1
1.2	Scan . . . . .	1
<b>2</b>	<b>Diagn.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 . . . . .	5
4.3.1	Recon 1 . . . . .	5
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: 0 mm
- Direction: Craniocaudal
- Tube position: Lateral
- API: None
- Kernel: 20s standar
- Window: Topogram Head

# **2 Diagn.CT Brain**

## **2.1 Routine**

- Eff. mAs: 380
- kV: 120
- CARE Dose4D: Off
- CareDoseType: CareDoseAEC
- CTDIvol: 52.2276mGy

- Scan time: 8.010 s
- Delay: 4.000 s
- Slice: 3.00 mm
- No. of images: Samme som i foerste recon, slet?(y/n)
- Tilt: 380 grader

## **2.2 Scan**

- Quality ref. mAs: 380
- Eff. mAs: 380
- kV: 120
- Scan time: 8.010 s
- Rotation time: 1.000 s
- Delay: 4.000 s
- Slice: 3.00 mm
- Pitch: 1.2000000
- Direction: Caudocranial

## **2.3 Recons**

### **2.3.1 Recon 1**

- Series description: AC CT
- Slice: 3.00
- Kernel: H19s PET very smooth
- 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: 74

### **2.3.2 Recon 2**

- Series description: Diagn. CT Brain Suppl.zoom
- Slice: 3.00
- Kernel: H31s medium smooth +
- Window: Cerebrum
- Extended FoV: Off
- FoV: 220
- 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: 74

### **3 Pause**

## **4 PET Brain**

### **4.1 Routine**

- Isotope: F-18
- Pharm.: FDG
- Inj. Dose: 227 MegaBequerels
- Inj. date (date/month - year): 07/07 - 2011
- Inj. time: 14:30:51
- Scan mode: Sinogram
- Scan range: Match CT FOV
- No. of beds: 1
- Scan duration/bed: 10 Minutes

### **4.2 Scan**

- Autoload: On
- Rebinner LUT: Off
- Scan output: Sinogram
- Sinogram mode: Trues
- Input trigger signal: None
- LLD (keV): 435
- ULD (keV): 650

## **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: 6
- Subsets: 16
- Image size: 336
- Zoom: 3
- Filter: Gaussian
- FWHM (mm): 3
- Offset X: 0 mm
- Offset Y: 0 mm
- Attenuation correction: On (1)
- Scatter correction: On
- Match CT slice location: On
- Save intermediate data: Off

### **4.3.2 Recon 2**

- Series description: PET Brain neurostat
- Recon range (bed): Automatic/All/dunno
- Output image type: Corrected
- Recon method: Iterative
- Iterations: 4
- Subsets: 8

- Image size: 128
- Zoom: 3
- Filter: Gaussian
- FWHM (mm): 8
- Offset X: 0 mm
- Offset Y: 0 mm
- Attenuation correction: On (1)
- Scatter correction: On
- Match CT slice location: On
- Save intermediate data: Off