

## 4\_4\_PET\_CT\_FDG\_Brain\_Terapi.Adult

8. oktober 2012

# Indhold

<b>1</b>	<b>Topogram</b>	<b>1</b>
1.1	Routine . . . . .	1
1.2	Scan . . . . .	1
<b>2</b>	<b>CT WB</b>	<b>1</b>
2.1	Routine . . . . .	1
2.2	Scan . . . . .	2
2.3	Recon . . . . .	2
2.3.1	Recon 1 . . . . .	2
2.3.2	Recon 2 . . . . .	3
2.3.3	Recon 3 . . . . .	4
2.3.4	Recon 4 . . . . .	4
<b>3</b>	<b>Pause</b>	<b>5</b>
<b>4</b>	<b>PET WB</b>	<b>5</b>
4.1	Routine . . . . .	5
4.2	Scan . . . . .	5
4.3	Recon . . . . .	6
4.3.1	Recon 1 . . . . .	6
4.3.2	Recon 2 . . . . .	7

# **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:
- Kernel: T20s
- Window: Topogra

# **2 CT WB**

## **2.1 Routine**

- Eff. mAs: 380
- kV: 120
- CARE Dose4D: On
- CTDIvol: 64.904mGy
- Scan time: 69.330 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: 69.330 s
- Rotation time: 1.000 s
- Delay: 2.000 s
- Slice: 1 mm
- Pitch: 0.55
- Direction: Craniocaudal

## **2.3 Recon**

### **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 1mm
- Slice: 1
- 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: 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: 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

### **2.3.4 Recon 4**

- Series description: AC CT 3mm
- Slice: 3
- 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: 3.000
- No. of images: 75

### **3    Pause**

## **4    PET WB**

### **4.1   Routine**

- Isotope: F-18
- Pharm.: Fluorodeoxyglucose
- Inj. Dose: 1
- Inj. date (date/month - year): 09/08 - 2012
- Inj. time: 16:04:33
- Scan mode: Sinogram
- Scan range: Match CT FOV
- No. of beds: N/A
- 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 Recon**

### **4.3.1 Recon 1**

- Series description: PET Brain Image Check
- Recon range (bed): ups..
- 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: On (1)
- Scatter correction: true
- Match CT slice location: true
- Save intermediate data: false



### 4.3.2 Recon 2

- Series description: Osem3D 4 it 24 sub 3 mm
- Recon range (bed): ups..
- 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: On (3)
- Scatter correction: true
- Match CT slice location: true
- Save intermediate data: false