

Hjerne\_PIB\_LM\_CT.Adult\_PET4

30. maj 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 . . . . .	1
2.3	Recons . . . . .	2
2.3.1	Recon 1 . . . . .	2
2.3.2	Recon 2 . . . . .	2
2.3.3	Recon 3 . . . . .	2
<b>3</b>	<b>Pause</b>	<b>3</b>
<b>4</b>	<b>PET Brain LM</b>	<b>3</b>
4.1	Routine . . . . .	3
4.2	Scan . . . . .	3
4.3	Recons . . . . .	3
4.3.1	Recon 1 . . . . .	3
4.3.2	Recon 2 . . . . .	4
4.3.3	Recon 3 . . . . .	4

# **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: 340
- kV: 120
- CARE Dose4D: Off
- CareDoseType: CareDoseAEC
- CTDIvol: 58.0725mGy
- Scan time: 69.091 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: 350
- Eff. mAs: 340
- kV: 120
- Scan time: 69.091 s
- Rotation time: 1.000 s
- Delay: 2.000 s
- Slice: 3 mm
- Pitch: 0.55

- Direction: Caudocranial

## **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: Caudocranial
- Recon increment: 1.500
- No. of images: 148

### **2.3.2 Recon 2**

- Series description: AC CT Brain
- 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: Caudocranial
- Recon increment: 1.500
- No. of images: 148

### **2.3.3 Recon 3**

- Series description: CT Brain 3.0 H31s
- Slice: 3
- Kernel: H31s
- Window: Cerebrum
- Extended FoV: Off

- FoV: 250
- Center X: 0
- Center Y: 0
- Mirroring: None
- Extended CT scale: Standard
- Recon job: Axial
- Recon Axis: Axial
- Image order: Caudocranial
- Recon increment: 1.500
- No. of images: 148

### **3 Pause**

## **4 PET Brain LM**

### **4.1 Routine**

- Isotope: C-11
- Pharm.: C11-PIB
- Inj. Dose: 185000000 Bequerels
- Scan mode: List mode
- Scan range: Do not match CT FOV
- No. of beds: Not given. Check recon range
- Scan duration/bed: 30.000000 Minutes

### **4.2 Scan**

- Autoload: Off
- Rebinner LUT: Off
- Scan output: List mode
- 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: PiB 40-70 min 5mm
- Recon range (bed): 1 to 1
- Output image type: Uncorrected
- Recon method: Iterative3D
- Iterations: 4
- Subsets: 12
- Image size: 400

- Zoom: 1
- Filter: Gaussian
- FWHM (mm): 5
- Offset X: 0 mm
- Offset Y: 0 mm
- Attenuation correction: Off ()
- Scatter correction: Off
- Match CT slice location: Off
- Save intermediate data: Off

#### **4.3.2 Recon 2**

- Series description: PiB 40-60 min 5mm
- Recon range (bed): 1 to 1
- Output image type: Uncorrected
- Recon method: Iterative3D
- Iterations: 4
- Subsets: 12
- Image size: 400
- Zoom: 1
- Filter: Gaussian
- FWHM (mm): 5
- Offset X: 0 mm
- Offset Y: 0 mm
- Attenuation correction: Off ()
- Scatter correction: Off
- Match CT slice location: Off
- Save intermediate data: Off

#### **4.3.3 Recon 3**

- Series description: PiB 45-60 min 5mm
- Recon range (bed): 1 to 1
- Output image type: Uncorrected
- Recon method: Iterative3D
- Iterations: 4
- Subsets: 12
- Image size: 400
- Zoom: 1
- Filter: Gaussian
- FWHM (mm): 5
- Offset X: 0 mm
- Offset Y: 0 mm
- Attenuation correction: Off ()
- Scatter correction: Off

- Match CT slice location: Off
- Save intermediate data: Off