

# PETCT\_WholeBody\_XL.MlAdult\_PET5

17. november 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      | Recons . . . . .  | 2        |
| 2.3.1    | Recon 1 . . . . . | 2        |
| 2.3.2    | Recon 2 . . . . . | 3        |
| 2.3.3    | Recon 3 . . . . . | 4        |
| <b>3</b> | <b>Pause</b>      | <b>4</b> |
| <b>4</b> | <b>PET WB</b>     | <b>4</b> |
| 4.1      | Routine . . . . . | 4        |
| 4.2      | Scan . . . . .    | 5        |
| 4.3      | Recons . . . . .  | 5        |
| 4.3.1    | Recon 1 . . . . . | 5        |
| 4.3.2    | Recon 2 . . . . . | 6        |

# **1 Topogram**

## **1.1 Routine**

- mA: 35
- kV: 120
- Topogram length: 1024 mm
- Tube position: Top

## **1.2 Scan**

- mA: 35
- kV: 120
- Delay: 4s
- Topogram length: 1024 mm
- Direction: Craniocaudal
- Tube position: Top
- API: None
- Kernel: 80s shar
- Window: Topogram Body

# **2 CT WB**

## **2.1 Routine**

- Eff. mAs: 170
- kV: 120
- CARE Dose4D: On
- CareDoseType: CareDoseAEC
- CTDIvol: 11.4779mGy

- Scan time: 18.670 s
- Delay: 4.000 s
- Slice: 5.00 mm
- No. of images: Samme som i foerste recon, slet?(y/n)
- Tilt: 0.0 grader

## **2.2 Scan**

- Quality ref. mAs: 170
- Eff. mAs: 170
- kV: 120
- Scan time: 18.670 s
- Rotation time: 0.500 s
- Delay: 4.000 s
- Slice: 5.00 mm
- Pitch: 0.8000000
- Direction: Craniocaudal

## **2.3 Recons**

### **2.3.1 Recon 1**

- Series description: tmp CT WB RTD
- Slice: 5.00
- Kernel: B19f PET very smooth
- Window: Abdomen
- Extended FoV: On
- FoV: 700
- Center X: 0

- Center Y: 0
- Mirroring: None
- Extended CT scale: Standard
- Recon job: Axial
- Recon Axis: Axial
- Image order: Craniocaudal
- Recon increment: 11.500
- No. of images: 72

### **2.3.2 Recon 2**

- Series description: AC CT
- Slice: 5.00
- Kernel: B19f PET very smooth
- Window: Abdomen
- Extended FoV: On
- FoV: 700
- 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: 274

### **2.3.3 Recon 3**

- Series description: CT WB 3.0 B30f
- Slice: 3.00
- Kernel: B30f medium smooth
- Window: Abdomen
- Extended FoV: Off
- FoV: 500
- 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: 411

## **3 Pause**

## **4 PET WB**

### **4.1 Routine**

- Isotope: F-18
- Pharm.: FDG
- Inj. Dose: 10 Millicuries
- Inj. date (date/month - year): 30/10 - 2006
- Inj. time: 10:30:00

- Scan mode: Sinogram
- Scan range: Match CT FOV
- No. of beds: 5
- Scan duration/bed: 2 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 WB
- Recon range (bed): Automatic/All/dunno
- Output image type: Corrected
- Recon method: Iterative
- Iterations: 2
- Subsets: 8
- Image size: 168
- Zoom: 1
- Filter: Gaussian
- FWHM (mm): 5

- 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 WB Uncorrected
- Recon range (bed): Automatic/All/dunno
- Output image type: Uncorrected
- Recon method: Iterative
- Iterations: 2
- Subsets: 8
- Image size: 168
- Zoom: 1
- Filter: Gaussian
- FWHM (mm): 5
- Offset X: 0 mm
- Offset Y: 0 mm
- Attenuation correction: On (1)
- Scatter correction: Off
- Match CT slice location: On
- Save intermediate data: Off