

# PROJ\_DOTATATE\_PET\_CT\_IV\_5.MlAdult

1. 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        |
| <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 . . . . .    | 4        |
| 4.3      | Recon . . . . .   | 5        |
| 4.3.1    | Recon 1 . . . . . | 5        |
| 4.3.2    | Recon 2 . . . . . | 5        |

# **1 Topogram**

## **1.1 Routine**

- mA: 35
- kV: 120
- Topogram length: 0 mm
- Tube position: Top

## **1.2 Scan**

- mA: 35
- kV: 120
- Delay: 4s
- Topogram length: 0 mm
- Direction: Craniocaudal
- Tube position: Top
- API: None
- Kernel: T80s sharp
- Window: Topogram Body

# **2 CT WB**

## **2.1 Routine**

- Eff. mAs: 225
- kV: 14
- CARE Dose4D: On
- CTDIvol: 15.1475mGy
- Scan time: 1.2000000 s

- Delay: 15.000 s
- Slice: 3.00 mm
- No. of images: Samme som i foerste recon, slet?(y/n)
- Tilt: 225 grader

## **2.2 Scan**

- Quality ref. mAs: 225
- Eff. mAs: 225
- kV: 120
- Scan time: 14.840 s
- Rotation time: 0.500 s
- Delay: 15.000 s
- Slice: 0.6 mm
- Pitch: 1.2000000
- Direction: Craniocaudal

## **2.3 Recon**

### **2.3.1 Recon 1**

- Series description: AC CT
- Slice: 3.00
- 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: 324

### **2.3.2 Recon 2**

- 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: 3.000
- No. of images: 324

## **3 Pause**

## **4 PET WB**

### **4.1 Routine**

- Isotope: Cu-64
- Pharm.: Dotatate
- Inj. Dose: 1 MegaBequerels
- Inj. date (date/month - year): 21/08 - 2012
- Inj. time: 12:58:00
- Scan mode: Sinogram
- Scan range: Match CT FOV
- No. of beds: 6
- Scan duration/bed: 3 PtMinute

### **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 Recon**

### **4.3.1 Recon 1**

- Series description: PET WB Corrected
- Recon range (bed): ups..
- Output image type: Corrected
- Recon method: Iterative
- Iterations: 4
- Subsets: 8
- Image size: 168
- Zoom: 1
- Filter: Gaussian
- FWHM (mm): 4
- 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 Dotatate True X
- Recon range (bed): ups..
- Output image type: Corrected
- Recon method: TrueX
- Iterations: 3
- Subsets: 21

- Image size: 336
- Zoom: 1
- Filter: Gaussian
- FWHM (mm): 2
- Offset X: 0 mm
- Offset Y: 0 mm
- Attenuation correction: On (1)
- Scatter correction: On
- Match CT slice location: On
- Save intermediate data: Off