

8\_PET\_Cardiac\_18F\_FDG\_LM\_Resp\_Gating.MlAdult\_PET6

20. februar 2013

# Indhold

|          |                    |          |
|----------|--------------------|----------|
| <b>1</b> | <b>Topogram</b>    | <b>1</b> |
| 1.1      | Routine . . . . .  | 1        |
| 1.2      | Scan . . . . .     | 1        |
| <b>2</b> | <b>Lav CT Card</b> | <b>1</b> |
| 2.1      | Routine . . . . .  | 1        |
| 2.2      | Scan . . . . .     | 2        |
| 2.3      | Recons . . . . .   | 2        |
| 2.3.1    | Recon 1 . . . . .  | 2        |
| <b>3</b> | <b>Pause</b>       | <b>3</b> |
| <b>4</b> | <b>PET Card LM</b> | <b>3</b> |
| 4.1      | Routine . . . . .  | 3        |
| 4.2      | Scan . . . . .     | 3        |
| 4.3      | Recons . . . . .   | 4        |
| 4.3.1    | Recon 1 . . . . .  | 4        |

# **1 Topogram**

## **1.1 Routine**

- mA: 35
- kV: 120
- Topogram length: 512 mm
- Tube position: Top

## **1.2 Scan**

- mA: 35
- kV: 120
- Delay: 4s
- Topogram length: 512 mm
- Direction: Craniocaudal
- Tube position: Top
- API: None
- Kernel: 80s shar
- Window: Topogram Body

# **2 Lav CT Card**

## **2.1 Routine**

- Eff. mAs: 11
- kV: 120
- CARE Dose4D: Off
- CareDoseType: CareDoseAEC
- CTDIvol: 0.7414mGy

- Scan time: 3.360 s
- Delay: 4.000 s
- Slice: 3.00 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: 11
- kV: 120
- Scan time: 3.360 s
- Rotation time: 0.500 s
- Delay: 4.000 s
- Slice: 3.00 mm
- Pitch: 1.5000000
- Direction: Craniocaudal

## **2.3 Recons**

### **2.3.1 Recon 1**

- Series description: AC CT FDG
- Slice: 3.00
- Kernel: B18f 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: 2.000
- No. of images: 111

### **3    Pause**

## **4    PET Card LM**

### **4.1   Routine**

- Isotope: F-18
- Pharm.: FDG
- Inj. Dose: 300 MegaBequerels
- Scan mode: List mode
- Scan range: Match CT FOV
- No. of beds: 1
- Scan duration/bed: 15 Minutes

### **4.2   Scan**

- Autoload: On
- Rebinner LUT: Off
- Scan output: List mode
- Sinogram mode: Trues

- Input trigger signal: Resp
- LLD (keV): 435
- ULD (keV): 650

## **4.3 Recons**

### **4.3.1 Recon 1**

- Series description: PET Card FDG
- Recon range (bed): -1 to -1
- Output image type: NoRecon
- Recon method: Iterative
- Iterations: 4
- Subsets: 8
- Image size: 168
- Zoom: 2.2
- Filter: Gaussian
- FWHM (mm): 10
- Offset X: 3 mm
- Offset Y: 0 mm
- Attenuation correction: On (1)
- Scatter correction: On
- Match CT slice location: On
- Save intermediate data: Off