

# PETCT\_NEMA\_2007\_IQ\_MOD.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>AC CT NEMA</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
<b>3</b>	<b>Pause</b>	<b>2</b>
<b>4</b>	<b>PET NEMA IQ</b>	<b>2</b>
4.1	Routine . . . . .	2
4.2	Scan . . . . .	3
4.3	Recons . . . . .	3
4.3.1	Recon 1 . . . . .	3

# **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: API
- Kernel: 80
- Window: Topogram

# **2 AC CT NEMA**

## **2.1 Routine**

- Eff. mAs: 50
- kV: 120
- CARE Dose4D: Off
- CareDoseType: CareDoseAEC
- CTDIvol: 3.65446mGy
- Scan time: 8.105 s
- Delay: 2.000 s
- Slice: 5 mm
- No. of images: Samme som i foerste recon, slet?(y/n)
- Tilt: 0.0 grader

## **2.2 Scan**

- Quality ref. mAs: 120
- Eff. mAs: 50
- kV: 120
- Scan time: 8.105 s
- Rotation time: 0.500 s
- Delay: 2.000 s
- Slice: 5 mm
- Pitch: 0.80

- Direction: Craniocaudal

## **2.3 Recons**

### **2.3.1 Recon 1**

- Series description: AC CT NEMA RTD
- Slice: 4
- Kernel: B19f
- 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: 4.000
- No. of images: 56

### **2.3.2 Recon 2**

- Series description: AC CT NEMA
- Slice: 5
- Kernel: B19f
- Window: Abdomen
- Extended FoV: On
- FoV: 780
- 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 NEMA IQ**

### **4.1 Routine**

- Isotope: F-18

- Pharm.: Fluorodeoxyglucose
- Inj. Dose: 370000000 Bequerels
- Scan mode: Sinogram
- Scan range: Do not match CT FOV
- No. of beds: Not given. Check recon range
- Scan duration/bed: 540.000000 Seconds

## **4.2 Scan**

- Autoload: On
- Rebinner LUT: Off
- Scan output: Sinogram
- 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: PET NEMA IQ
- Recon range (bed): 1 to 1
- Output image type: Corrected
- Recon method: Iterative3D
- Iterations: 3
- Subsets: 24
- Image size: 200
- Zoom: 1
- Filter: Gaussian
- FWHM (mm): 5
- Offset X: 0 mm
- Offset Y: 0 mm
- Attenuation correction: Off ()
- Scatter correction: On
- Match CT slice location: Off
- Save intermediate data: Off