

# PETCT\_HeadNeck.MlAdult

23. 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 HeadNeck</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 HeadNeck</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: 512 mm
- Tube position: Top

## **1.2 Scan**

- mA: 35
- kV: 120
- Delay: 4s
- Topogram length: 270 mm
- Direction: Craniocaudal
- Tube position: Top
- API: None
- Kernel: 20s standar
- Window: Topogram Body

# **2 CT HeadNeck**

## **2.1 Routine**

- Eff. mAs: 150
- kV: 120
- CARE Dose4D: On
- CareDoseType: CareDoseAEC
- CTDIvol: 11.4602mGy

- Scan time: 16.010 s
- Delay: 4.000 s
- Slice: 3.00 mm
- No. of images: Samme som i foerste recon, slet?(y/n)
- Tilt: 150 grader

## **2.2 Scan**

- Quality ref. mAs: 150
- Eff. mAs: 150
- kV: 120
- Scan time: 16.010 s
- Rotation time: 1.000 s
- Delay: 4.000 s
- Slice: 3.00 mm
- Pitch: 0.8000000
- Direction: Craniocaudal

## **2.3 Recons**

### **2.3.1 Recon 1**

- Series description: tmp CT HeadNeck RTD
- Slice: 3.00
- Kernel: B19s PET very smooth
- Window: Larynx
- 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: 3.900
- No. of images: 57

### **2.3.2 Recon 2**

- Series description: AC CT
- Slice: 3.00
- Kernel: B19s PET very smooth
- Window: Larynx
- 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

### **2.3.3 Recon 3**

- Series description: CT HeadNeck 2.0 B31s
- Slice: 2.00
- Kernel: B31s medium smooth +
- Window: Larynx
- 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: 1.500
- No. of images: 148

## **3 Pause**

## **4 PET HeadNeck**

### **4.1 Routine**

- Isotope: F-18
- Pharm.: FDG
- Inj. Dose: 10 Millicuries
- Inj. date (date/month - year): 30/10 - 2006
- Inj. time: 09:41:00

- Scan mode: Sinogram
- Scan range: Match CT FOV
- No. of beds: 1
- Scan duration/bed: 10 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 HeadNeck
- Recon range (bed): Automatic/All/dunno
- Output image type: Corrected
- Recon method: Iterative
- Iterations: 6
- Subsets: 16
- Image size: 256
- 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

#### **4.3.2 Recon 2**

- Series description: PET HeadNeck Uncorrected
- Recon range (bed): Automatic/All/dunno
- Output image type: Uncorrected
- Recon method: Iterative
- Iterations: 6
- Subsets: 16
- Image size: 256
- Zoom: 1
- Filter: Gaussian
- FWHM (mm): 2
- Offset X: 0 mm
- Offset Y: 0 mm
- Attenuation correction: On (1)
- Scatter correction: Off
- Match CT slice location: On
- Save intermediate data: Off