

# 4\_PETCT\_Lung.Adult

22. 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 Lung</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
2.3.4	Recon 4 . . . . .	4
<b>3</b>	<b>Pause</b>	<b>5</b>
<b>4</b>	<b>PET Lung</b>	<b>5</b>
4.1	Routine . . . . .	5
4.2	Scan . . . . .	5
4.3	Recons . . . . .	6
4.3.1	Recon 1 . . . . .	6

# **1 Topogram**

## **1.1 Routine**

- mA: 35
- kV: 120
- Topogram length: 768 mm
- Tube position: Top

## **1.2 Scan**

- mA: 35
- kV: 120
- Delay: 4s
- Topogram length: 768 mm
- Direction: Craniocaudal
- Tube position: Top
- API: API
- Kernel: 80
- Window: Topogram

# **2 CT Lung**

## **2.1 Routine**

- Eff. mAs: 120
- kV: 120
- CARE Dose4D: On
- CareDoseType: CareDoseAEC
- CTDIvol: 9.12mGy

- Scan time: 7.250 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: 120
- kV: 120
- Scan time: 7.250 s
- Rotation time: 0.500 s
- Delay: 2.000 s
- Slice: 5 mm
- Pitch: 1.40
- Direction: Craniocaudal

## **2.3 Recons**

### **2.3.1 Recon 1**

- Series description: tmp CT Lung RTD
- Slice: 5
- Kernel: B19f
- Window: Mediastinum
- Extended FoV: false
- 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: 5.000
- No. of images: 70

### **2.3.2 Recon 2**

- Series description: AC CT Lung
- Slice: 5
- Kernel: B19f
- Window: Mediastinum
- Extended FoV: true
- 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: 116

### **2.3.3 Recon 3**

- Series description: CT Lung 2.0 B31f
- Slice: 2
- Kernel: B31f
- Window: Mediastinum
- Extended FoV: false
- FoV: 300
- 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: 232

### **2.3.4 Recon 4**

- Series description: CT LUNG 2.0 B70f
- Slice: 2
- Kernel: B70f
- Window: Lung
- Extended FoV: false
- FoV: 300
- 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: 232

### **3 Pause**

## **4 PET Lung**

### **4.1 Routine**

- Isotope: F-18
- Pharm.: Fluorodeoxyglucose
- Inj. Dose: 370000000.000000 Bequerels
- Inj. date (date/month - year): 02/10 - 2008
- Inj. time: 08:48:06
- Scan mode: Sinogram
- Scan range: Match CT FOV
- No. of beds: Not given. Check recon range
- Scan duration/bed: 2.000000 Minutes

### **4.2 Scan**

- Autoload: true
- Rebinner LUT: N/A
- 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 Lung
- Recon range (bed): 1 to 2
- Output image type: Corrected
- Recon method: Iterative3D
- Iterations: 2
- Subsets: 24
- Image size: 200
- Zoom: 1
- Filter: Gaussian
- FWHM (mm): 5
- Offset X: 0 mm
- Offset Y: 0 mm
- Attenuation correction: On (1)
- Scatter correction: true
- Match CT slice location: true
- Save intermediate data: false