

TUMOR\_HYPOXI\_HUND\_DAG\_3.MlAdult\_PET5

30. maj 2013

# Indhold

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# **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 CT TUMOR**

## **2.1 Routine**

- Eff. mAs: 170
- kV: 120
- CARE Dose4D: Off
- CareDoseType: CareDoseAEC
- CTDIvol: 11.4448mGy
- Scan time: 4.000 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: 170
- kV: 120
- Scan time: 4.000 s
- Rotation time: 0.500 s
- Delay: 4.000 s
- Slice: 3.00 mm
- Pitch: 1.2000000

- Direction: Craniocaudal

## **2.3 Recons**

### **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: 74

### **2.3.2 Recon 2**

- Series description: CT TUMOR 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: 74

## **3 Pause**

## **4 PET STATIC**

### **4.1 Routine**

- Isotope: Cu-64

- Pharm.: ATSM
- Inj. Dose: 1e-006 MegaBequerels
- Scan mode: Sinogram
- Scan range: Match CT FOV
- No. of beds: 1
- Scan duration/bed: 20 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 TUMOR Corrected 24 hr
- Recon range (bed): -1 to -1
- Output image type: Corrected
- Recon method: Iterative
- Iterations: 4
- Subsets: 8
- Image size: 256
- Zoom: 1
- Filter: Gaussian
- FWHM (mm): 3
- 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 TUMOR Uncorrected 24 hr
- Recon range (bed): -1 to -1
- Output image type: Uncorrected
- Recon method: Iterative
- Iterations: 4
- Subsets: 8

- Image size: 256
- Zoom: 1
- Filter: Gaussian
- FWHM (mm): 3
- Offset X: 0 mm
- Offset Y: 0 mm
- Attenuation correction: On (1)
- Scatter correction: Off
- Match CT slice location: On
- Save intermediate data: Off

## **5 Pause**

## **6 DynMulti**

### **6.1 Routine**

- Eff. mAs: 170
- kV: 120
- CARE Dose4D: Off
- CareDoseType: CareDose
- CTDIvol: 1032.37mGy
- Scan time: 90.100 s
- Delay: 4.000 s
- Slice: 7.20 mm
- No. of images: Samme som i foerste recon, slet?(y/n)
- Tilt: 0.0 grader

### **6.2 Scan**

- Quality ref. mAs: 100
- Eff. mAs: 170
- kV: 120
- Scan time: 90.100 s
- Rotation time: 1.000 s
- Delay: 4.000 s
- Slice: 7.20 mm
- Pitch: 1.0000000
- Direction: Craniocaudal

### **6.3 Recons**

#### **6.3.1 Recon 1**

- Series description: DynMulti 7.2 B30s
- Slice: 7.20

- Kernel: B30s medium smooth
- Window: Abdomen
- Extended FoV: Off
- FoV: 0
- Center X: -3
- Center Y: 0
- Mirroring: None
- Extended CT scale: Standard
- Recon job: Axial
- Recon Axis: Axial
- Image order: Craniocaudal
- Recon increment: 1.000
- No. of images: 360