

# 3\_PET\_AC\_LM\_FET\_Brain\_neuroperfusion.Adult

23. oktober 2012

# Indhold

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# **1 Topogram**

## **1.1 Routine**

- mA: 35
- kV: 120
- Topogram length: 256 mm
- Tube position: Lateral

## **1.2 Scan**

- mA: 35
- kV: 120
- Delay: 4s
- Topogram length: 256 mm
- Direction: Craniocaudal
- Tube position: Lateral
- API: API
- Kernel: 20
- Window: Topogram

# **2 Lavdosis CT**

## **2.1 Routine**

- Eff. mAs: 30
- kV: 120
- CARE Dose4D: Off
- CareDoseType: CareDoseAEC
- CTDIvol: 5.124mGy

- Scan time: 26.200 s
- Delay: 2.000 s
- Slice: 3 mm
- No. of images: Samme som i foerste recon, slet?(y/n)
- Tilt: 0.0 grader

## **2.2 Scan**

- Quality ref. mAs: 350
- Eff. mAs: 30
- kV: 120
- Scan time: 26.200 s
- Rotation time: 1.000 s
- Delay: 2.000 s
- Slice: 3 mm
- Pitch: 1.50
- Direction: Caudocranial

## **2.3 Recons**

### **2.3.1 Recon 1**

- Series description: tmp Lavdosis CT RTD
- Slice: 5
- Kernel: H19s
- Window: Cerebrum
- 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: Caudocranial
- Recon increment: 5.000
- No. of images: 45

### **2.3.2 Recon 2**

- Series description: AC Lavdosis CT
- Slice: 3
- Kernel: H19s
- Window: Cerebrum
- 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: Caudocranial
- Recon increment: 3.000
- No. of images: 74

### **3 Pause**

## **4 PET Brain LM**

### **4.1 Routine**

- Isotope: F-18
- Pharm.: FET
- Inj. Dose: 185000000.0 Bequerels
- Inj. date (date/month - year): 19/09 - 2012
- Inj. time: 12:52:18
- Scan mode: List mode
- Scan range: Match CT FOV
- No. of beds: Not given. Check recon range
- Scan duration/bed: 20.000000 Minutes

### **4.2 Scan**

- Autoload: false
- Rebinner LUT: N/A
- Scan output: List mode
- 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: FET stat 1 mm 4
- Recon range (bed): Automatic/All/dunno
- Output image type: Corrected
- Recon method: Iterative3D
- Iterations: 4
- Subsets: 12
- Image size: 400
- Zoom: 2.500000
- Filter: Gaussian
- FWHM (mm): 1.000000
- Offset X: 0 mm
- Offset Y: 0 mm
- Attenuation correction: On (1)
- Scatter correction: true
- Match CT slice location: true
- Save intermediate data: false

### **4.3.2 Recon 2**

- Series description: FET stat 5 mm 4
- Recon range (bed): Automatic/All/dunno
- Output image type: Corrected
- Recon method: Iterative3D
- Iterations: 4
- Subsets: 12

- Image size: 400
- Zoom: 2.500000
- Filter: Gaussian
- FWHM (mm): 5.000000
- Offset X: 0 mm
- Offset Y: 0 mm
- Attenuation correction: On (1)
- Scatter correction: true
- Match CT slice location: true
- Save intermediate data: false

#### **4.3.3 Recon 3**

- Series description: FET stat 4Fdyn 5 mm 4
- Recon range (bed): Automatic/All/dunno
- Output image type: Corrected
- Recon method: Iterative3D
- Iterations: 4
- Subsets: 12
- Image size: 400
- Zoom: 2.500000
- Filter: Gaussian
- FWHM (mm): 5.000000
- Offset X: 0 mm
- Offset Y: 0 mm
- Attenuation correction: On (1)
- Scatter correction: true
- Match CT slice location: true
- Save intermediate data: false



#### **4.3.4 Recon 4**

- Series description: FET STAT 25-35 5 mm
- Recon range (bed): Automatic/All/dunno
- Output image type: Corrected
- Recon method: Iterative3D
- Iterations: 4
- Subsets: 12
- Image size: 400
- Zoom: 2.500000
- Filter: Gaussian
- FWHM (mm): 5.000000
- Offset X: 0 mm
- Offset Y: 0 mm
- Attenuation correction: On (1)
- Scatter correction: true
- Match CT slice location: true
- Save intermediate data: false

## **5 Pause**

## **6 ReadOnly=1 ResID=892 DynMulti4D**

### **6.1 Routine**

- Eff. mAs: 181
- kV: 80
- CARE Dose4D: Off
- CareDoseType: CareDose

- CTDIvol: 328.42mGy
- Scan time: 1.500 s
- Delay: 4.000 s
- Slice: 5 mm
- No. of images: Samme som i foerste recon, slet?(y/n)
- Tilt: 0.0 grader

## **6.2 Scan**

- Quality ref. mAs: 250
- Eff. mAs: 181
- kV: 80
- Scan time: 1.500 s
- Rotation time: 0.330 s
- Delay: 4.000 s
- Slice: 5 mm
- Pitch: 1.10
- Direction: Caudocranial

## **6.3 Recons**

### **6.3.1 Recon 1**

- Series description: tmp DynMulti4D RTD
- Slice: 4
- Kernel: H20f
- Window: Cerebrum
- Extended FoV: false
- FoV: 200

- Center X: 0
- Center Y: 0
- Mirroring: None
- Extended CT scale: Standard
- Recon job: Axial
- Recon Axis: Axial
- Image order: Caudocranial
- Recon increment: 31.300
- No. of images: 90

### **6.3.2 Recon 2**

- Series description: VPCT DynMulti4D 5.0 H20f
- Slice: 5
- Kernel: H20f
- Window: Cerebrum
- Extended FoV: false
- FoV: 200
- Center X: 0
- Center Y: 0
- Mirroring: None
- Extended CT scale: Standard
- Recon job: Axial
- Recon Axis: Axial
- Image order: Caudocranial
- Recon increment: 5.000
- No. of images: 390

### **6.3.3 Recon 3**

- Series description: VPCT DynMulti4D 5.0 H20f
- Slice: 5
- Kernel: H20f
- Window: Cerebrum
- Extended FoV: false
- FoV: 200
- Center X: 0
- Center Y: 0
- Mirroring: None
- Extended CT scale: Standard
- Recon job: Axial
- Recon Axis: Axial
- Image order: Caudocranial
- Recon increment: 5.000
- No. of images: 390

### **6.3.4 Recon 4**

- Series description: DynMulti4D 5.0 H20f
- Slice: 5
- Kernel: H20f
- Window: Cerebrum
- Extended FoV: false
- FoV: 200
- Center X: 0
- Center Y: 0

- Mirroring: None
- Extended CT scale: Standard
- Recon job: Axial
- Recon Axis: Axial
- Image order: Caudocranial
- Recon increment: 5.000
- No. of images: 390