

7\_PET\_AC\_FDG\_FINE.MlAdult\_PET6

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# Indhold

<b>1</b>	<b>Topogram</b>	<b>1</b>
1.1	Routine . . . . .	1
1.2	Scan . . . . .	1
<b>2</b>	<b>AC CT Femur</b>	<b>1</b>
2.1	Routine . . . . .	1
2.2	Scan . . . . .	1
2.3	Recons . . . . .	2
2.3.1	Recon 1 . . . . .	2
<b>3</b>	<b>Pause</b>	<b>2</b>
<b>4</b>	<b>PET Femur LM</b>	<b>2</b>
4.1	Routine . . . . .	2
4.2	Scan . . . . .	2
4.3	Recons . . . . .	3
4.3.1	Recon 1 . . . . .	3
<b>5</b>	<b>Pause</b>	<b>3</b>
<b>6</b>	<b>Topogram</b>	<b>3</b>
6.1	Routine . . . . .	3
6.2	Scan . . . . .	3
<b>7</b>	<b>AC CT Hjerne</b>	<b>4</b>
7.1	Routine . . . . .	4
7.2	Scan . . . . .	4
7.3	Recons . . . . .	4
7.3.1	Recon 1 . . . . .	4
<b>8</b>	<b>Pause</b>	<b>5</b>
<b>9</b>	<b>PET Brain LM</b>	<b>5</b>
9.1	Routine . . . . .	5
9.2	Scan . . . . .	5
9.3	Recons . . . . .	5
9.3.1	Recon 1 . . . . .	5
<b>10</b>	<b>Pause</b>	<b>6</b>

<b>11 Topogram</b>	<b>6</b>
11.1 Routine . . . . .	6
11.2 Scan . . . . .	6
<b>12 AC CT WB</b>	<b>6</b>
12.1 Routine . . . . .	6
12.2 Scan . . . . .	6
12.3 Recons . . . . .	7
12.3.1 Recon 1 . . . . .	7
<b>13 Pause</b>	<b>7</b>
<b>14 PET WB</b>	<b>7</b>
14.1 Routine . . . . .	7
14.2 Scan . . . . .	7
14.3 Recons . . . . .	8
14.3.1 Recon 1 . . . . .	8
14.3.2 Recon 2 . . . . .	8
<b>15 Pause</b>	<b>9</b>
<b>16 PET WB</b>	<b>9</b>
16.1 Routine . . . . .	9
16.2 Scan . . . . .	9
16.3 Recons . . . . .	9
16.3.1 Recon 1 . . . . .	9
16.3.2 Recon 2 . . . . .	10

# **1 Topogram**

## **1.1 Routine**

- mA: 35
- kV: 120
- Topogram length: 0 mm
- Tube position: Top

## **1.2 Scan**

- mA: 35
- kV: 120
- Delay: 4s
- Topogram length: 0 mm
- Direction: Craniocaudal
- Tube position: Top
- API: None
- Kernel: 80s shar
- Window: Topogram Body

# **2 AC CT Femur**

## **2.1 Routine**

- Eff. mAs: 11
- kV: 120
- CARE Dose4D: Off
- CareDoseType: CareDoseAEC
- CTDIvol: 0.7414mGy
- Scan time: 3.360 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: 12
- Eff. mAs: 11
- kV: 120
- Scan time: 3.360 s
- Rotation time: 0.500 s
- Delay: 4.000 s
- Slice: 3.00 mm
- Pitch: 1.5000000

- Direction: Craniocaudal

## **2.3 Recons**

### **2.3.1 Recon 1**

- Series description: AC CT Femur
- 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: 2.000
- No. of images: 111

## **3 Pause**

## **4 PET Femur LM**

### **4.1 Routine**

- Isotope: F-18
- Pharm.: FDG
- Inj. Dose: 200 MegaBequerels
- Scan mode: List mode
- Scan range: Match CT FOV
- No. of beds: 1
- Scan duration/bed: 60 Minutes

### **4.2 Scan**

- Autoload: On
- Rebinner LUT: Off
- Scan output: List mode
- Sinogram mode: Trues
- Input trigger signal: None
- LLD (keV): 435
- ULD (keV): 650

## **4.3 Recons**

### **4.3.1 Recon 1**

- Series description: PET WB
- Recon range (bed): -1 to -1
- Output image type: NoRecon
- Recon method: Iterative
- Iterations: 4
- Subsets: 8
- Image size: 168
- Zoom: 1
- Filter: Gaussian
- FWHM (mm): 5
- Offset X: 0 mm
- Offset Y: 0 mm
- Attenuation correction: On (1)
- Scatter correction: On
- Match CT slice location: On
- Save intermediate data: Off

## **5 Pause**

## **6 Topogram**

### **6.1 Routine**

- mA: 35
- kV: 120
- Topogram length: 0 mm
- Tube position: Lateral

### **6.2 Scan**

- mA: 35
- kV: 120
- Delay: 4s
- Topogram length: 0 mm
- Direction: Craniocaudal
- Tube position: Lateral
- API: None
- Kernel: 20s standar
- Window: Topogram Head

## **7 AC CT Hjerne**

### **7.1 Routine**

- Eff. mAs: 22
- kV: 120
- CARE Dose4D: Off
- CareDoseType: CareDoseAEC
- CTDIvol: 3.4496mGy
- Scan time: 9.280 s
- Delay: 4.000 s
- Slice: 3.00 mm
- No. of images: Samme som i foerste recon, slet?(y/n)
- Tilt: 0.0 grader

### **7.2 Scan**

- Quality ref. mAs: 14
- Eff. mAs: 22
- kV: 120
- Scan time: 9.280 s
- Rotation time: 1.000 s
- Delay: 4.000 s
- Slice: 3.00 mm
- Pitch: 1.5000000
- Direction: Caudocranial

### **7.3 Recons**

#### **7.3.1 Recon 1**

- Series description: AC CT Hjerne
- Slice: 3.00
- Kernel: H19s PET very smooth
- Window: Cerebrum
- Extended FoV: Off
- 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

## **8 Pause**

## **9 PET Brain LM**

### **9.1 Routine**

- Isotope: F-18
- Pharm.: FDG
- Inj. Dose: 200 MegaBequerels
- Scan mode: List mode
- Scan range: Match CT FOV
- No. of beds: 1
- Scan duration/bed: 15 Minutes

### **9.2 Scan**

- Autoload: On
- Rebinner LUT: Off
- Scan output: List mode
- Sinogram mode: Trues
- Input trigger signal: None
- LLD (keV): 435
- ULD (keV): 650

### **9.3 Recons**

#### **9.3.1 Recon 1**

- Series description: PET FDG Brain corrected
- Recon range (bed): -1 to -1
- Output image type: NoRecon
- Recon method: Iterative3D
- Iterations: 6
- Subsets: 16
- Image size: 336
- Zoom: 3
- Filter: Gaussian
- FWHM (mm): 3
- Offset X: 0 mm
- Offset Y: 0 mm
- Attenuation correction: Off (1)
- Scatter correction: On
- Match CT slice location: On
- Save intermediate data: Off



## **10 Pause**

## **11 Topogram**

### **11.1 Routine**

- mA: 35
- kV: 120
- Topogram length: 0 mm
- Tube position: Top

### **11.2 Scan**

- mA: 35
- kV: 120
- Delay: 4s
- Topogram length: 0 mm
- Direction: Craniocaudal
- Tube position: Top
- API: None
- Kernel: 80s shar
- Window: Topogram Body

## **12 AC CT WB**

### **12.1 Routine**

- Eff. mAs: 11
- kV: 120
- CARE Dose4D: Off
- CareDoseType: CareDoseAEC
- CTDIvol: 0.7414mGy
- Scan time: 10.310 s
- Delay: 4.000 s
- Slice: 3.00 mm
- No. of images: Samme som i foerste recon, slet?(y/n)
- Tilt: 0.0 grader

### **12.2 Scan**

- Quality ref. mAs: 14
- Eff. mAs: 11
- kV: 120
- Scan time: 10.310 s
- Rotation time: 0.500 s
- Delay: 4.000 s

- Slice: 3.00 mm
- Pitch: 1.5000000
- Direction: Craniocaudal

## **12.3 Recons**

### **12.3.1 Recon 1**

- Series description: AC CT WB
- 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: 274

## **13 Pause**

## **14 PET WB**

### **14.1 Routine**

- Isotope: F-18
- Pharm.: FDG
- Inj. Dose: 200 MegaBequerels
- Scan mode: Sinogram
- Scan range: Match CT FOV
- No. of beds: 1
- Scan duration/bed: 4 Minutes

### **14.2 Scan**

- Autoload: On
- Rebinner LUT: Off
- Scan output: Sinogram
- Sinogram mode: Trues
- Input trigger signal: None
- LLD (keV): 435

- ULD (keV): 650

## **14.3 Recons**

### **14.3.1 Recon 1**

- Series description: PET WB Image check
- Recon range (bed): -1 to -1
- Output image type: Corrected
- Recon method: Iterative3D
- Iterations: 4
- Subsets: 8
- Image size: 168
- Zoom: 1
- Filter: Gaussian
- FWHM (mm): 4
- Offset X: 0 mm
- Offset Y: 0 mm
- Attenuation correction: Off (1)
- Scatter correction: On
- Match CT slice location: On
- Save intermediate data: Off

### **14.3.2 Recon 2**

- Series description: PET WB True X 2 mm
- Recon range (bed): -1 to -1
- Output image type: Corrected
- Recon method: TrueX
- Iterations: 3
- Subsets: 21
- Image size: 336
- Zoom: 1
- Filter: Gaussian
- FWHM (mm): 2
- Offset X: 0 mm
- Offset Y: 0 mm
- Attenuation correction: Off (1)
- Scatter correction: On
- Match CT slice location: On
- Save intermediate data: Off

## **15 Pause**

## **16 PET WB**

### **16.1 Routine**

- Isotope: F-18
- Pharm.: FDG
- Inj. Dose: 200 MegaBequerels
- Scan mode: Sinogram
- Scan range: Match CT FOV
- No. of beds: 1
- Scan duration/bed: 4 Minutes

### **16.2 Scan**

- Autoload: On
- Rebinner LUT: Off
- Scan output: Sinogram
- Sinogram mode: Trues
- Input trigger signal: None
- LLD (keV): 435
- ULD (keV): 650

### **16.3 Recons**

#### **16.3.1 Recon 1**

- Series description: PET WB Image check
- Recon range (bed): -1 to -1
- Output image type: Corrected
- Recon method: Iterative3D
- Iterations: 4
- Subsets: 8
- Image size: 168
- Zoom: 1
- Filter: Gaussian
- FWHM (mm): 4
- Offset X: 0 mm
- Offset Y: 0 mm
- Attenuation correction: Off (1)
- Scatter correction: On
- Match CT slice location: On
- Save intermediate data: Off

### 16.3.2 Recon 2

- Series description: PET WB True X 2 mm
- Recon range (bed): -1 to -1
- Output image type: Corrected
- Recon method: TrueX
- Iterations: 3
- Subsets: 21
- Image size: 336
- Zoom: 1
- Filter: Gaussian
- FWHM (mm): 2
- Offset X: 0 mm
- Offset Y: 0 mm
- Attenuation correction: Off (1)
- Scatter correction: On
- Match CT slice location: On
- Save intermediate data: Off