PETCT_Brain.MlAdult_HD_PET5

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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: None

• Kernel: 20s standar

• Window: Topogram Head

2 CT Brain

2.1 Routine

• Eff. mAs: 380

• kV: 120

• CARE Dose4D: Off

• CareDoseType: CareDoseAEC

• CTDlvol: 59.4292mGy

• 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: 0.0 grader

2.2 Scan

• Quality ref. mAs: 380

• Eff. mAs: 380

• kV: 120

 \bullet Scan time: 16.010 s

• Rotation time: 1.000 s

• Delay: 4.000 s

• Slice: 3.00 mm

• Pitch: 0.8000000

• Direction: Caudocranial

2.3 Recons

2.3.1 Recon 1

• Series description: AC CT

• 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: 1.500

• No. of images: 148

2.3.2 Recon 2

• Series description: CT Brain 3.0 H31s

• Slice: 3.00

• Kernel: H31s medium smooth +

• Window: Cerebrum

• Extended FoV: Off

• FoV: 250

• Center X: 0

• Center Y: 0

• Mirroring: None

• Extended CT scale: Standard

• Recon job: Axial

• Recon Axis: Axial

• Image order: Caudocranial

• Recon increment: 1.500

• No. of images: 148

3 Pause

4 PET Brain

4.1 Routine

- Isotope: F-18
- Pharm.: FDG
- Inj. Dose: 5 Millicuries
- 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 Brain
- Recon range (bed): -1 to -1
- Output image type: Corrected

• Recon method: TrueX

• Iterations: 3

• Subsets: 21

• Image size: 336

• Zoom: 2

• Filter: Gaussian

• FWHM (mm): 4

• Offset X: 0 mm

• Offset Y: 0 mm

• Attenuation correction: On (1)

• Scatter correction: On

• Match CT slice location: On

• Save intermediate data: Off