PETCT_Brain_Ped.MlChild_PET5

20. februar 2013

Indhold

1 Topogram

1.1 Routine

- mA: 50

- kV: 80

- Topogram length: 256 mm

- Tube position: Lateral

1.2 Scan

- mA: 50

- kV: 80

- 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: 170

- kV: 120

- CARE Dose4D: Off

- CareDoseType: CareDoseAEC

- CTDlvol: 28.798mGy

- Scan time: 24.750 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: 170

- kV: 120

- Scan time: 24.750 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 C30s

- Slice: 3.00

- Kernel: C30s medium smooth

- Window: Baby Brain

- 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: 2.5 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: Iterative

- Iterations: 6

- Subsets: 16

- Image size: 336

- Zoom: 2

- Filter: Gaussian

- FWHM (mm): 2

- Offset X: 0 mm

- Offset Y: 0 mm

- Attenuation correction: On (1)

- Scatter correction: On

- Match CT slice location: On

- Save intermediate data: Off