

4_DOHAN_Terapi_PET_CT_FDG_nr2.Adult_PET4

20. februar 2013

Indhold

| | | |
|----------|----------------------|----------|
| 1 | Topogram | 1 |
| 1.1 | Routine | 1 |
| 1.2 | Scan | 1 |
| 2 | PreMonitoring | 1 |
| 2.1 | Routine | 1 |
| 2.2 | Scan | 2 |
| 2.3 | Recons | 2 |
| 2.3.1 | Recon 1 | 2 |
| 3 | Monitoring | 3 |
| 3.1 | Routine | 3 |
| 3.2 | Scan | 4 |
| 3.3 | Recons | 4 |
| 3.3.1 | Recon 1 | 4 |
| 4 | WB CT | 5 |
| 4.1 | Routine | 5 |
| 4.2 | Scan | 5 |
| 4.3 | Recons | 6 |
| 4.3.1 | Recon 1 | 6 |
| 4.3.2 | Recon 2 | 6 |
| 4.3.3 | Recon 3 | 7 |
| 4.3.4 | Recon 4 | 8 |
| 4.3.5 | Recon 5 | 8 |
| 5 | Pause | 9 |
| 6 | PET WB | 9 |
| 6.1 | Routine | 9 |
| 6.2 | Scan | 9 |
| 6.3 | Recons | 10 |
| 6.3.1 | Recon 1 | 10 |
| 6.3.2 | Recon 2 | 11 |
| 6.3.3 | Recon 3 | 11 |
| 6.3.4 | Recon 4 | 12 |
| 6.3.5 | Recon 5 | 13 |

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: API
- Kernel: 80
- Window: Topogram

2 PreMonitoring

2.1 Routine

- Eff. mAs: 20
- kV: 120
- CARE Dose4D: Off
- CareDoseType: CareDoseAEC
- CTDIvol: m 1=0.000000 1.18627mGy

- Scan time: 0.500 s
- Delay: 2.000 s
- Slice: 10 mm
- No. of images: Samme som i foerste recon, slet?(y/n)
- Tilt: 0.0 grader

2.2 Scan

- Quality ref. mAs: 225
- Eff. mAs: 20
- kV: 120
- Scan time: 0.500 s
- Rotation time: 0.500 s
- Delay: 2.000 s
- Slice: 10 mm
- Pitch: m 1=-1 0.00
- Direction: Craniocaudal

2.3 Recons

2.3.1 Recon 1

- Series description: m 1=12345 *MA* m 2= PreMonitoring 10.0 eFoV
- Slice: 10
- Kernel: B19s
- Window: Abdomen
- Extended FoV: On
- FoV: 780
- Center X: 0

- Center Y: 0
- Mirroring: None
- Extended CT scale: Standard
- Recon job: Axial
- Recon Axis: Axial
- Image order: Craniocaudal
- Recon increment: 10.000
- No. of images: 1

3 Monitoring

3.1 Routine

- Eff. mAs: 20
- kV: 120
- CARE Dose4D: Off
- CareDoseType: CareDoseAEC
- CTDIvol: m 1=0.000000 35.5881mGy
- Scan time: 0.500 s
- Delay: 10.000 s
- Slice: 10 mm
- No. of images: Samme som i foerste recon, slet?(y/n)
- Tilt: 0.0 grader

3.2 Scan

- Quality ref. mAs: 225
- Eff. mAs: 20
- kV: 120
- Scan time: 0.500 s
- Rotation time: 0.500 s
- Delay: 10.000 s
- Slice: 10 mm
- Pitch: m 1=-1 0.00
- Direction: Craniocaudal

3.3 Recons

3.3.1 Recon 1

- Series description: m 1=12345*MA* m 2= Monitoring 10.0 eFoV
- Slice: 10
- Kernel: B19s
- Window: Abdomen
- Extended FoV: On
- FoV: 780
- Center X: 0
- Center Y: 0
- Mirroring: None
- Extended CT scale: Standard
- Recon job: Axial
- Recon Axis: Axial
- Image order: Craniocaudal

- Recon increment: 10.000
- No. of images: 30

4 WB CT

4.1 Routine

- Eff. mAs: 225
- kV: 120
- CARE Dose4D: On
- CareDoseType: CareDoseAEC
- CTDIvol: m 1=0.000000 16.4451mGy
- Scan time: 32.745 s
- Delay: 4.000 s
- Slice: 2 mm
- No. of images: Samme som i foerste recon, slet?(y/n)
- Tilt: 0.0 grader

4.2 Scan

- Quality ref. mAs: 225
- Eff. mAs: 225
- kV: 120
- Scan time: 32.745 s
- Rotation time: 0.500 s
- Delay: 4.000 s
- Slice: 2 mm
- Pitch: m 1=-1 0.80
- Direction: Craniocaudal

4.3 Recons

4.3.1 Recon 1

- Series description: m 1=12345 MA m 2= WB CT RTD
- Slice: 4
- Kernel: B19f
- 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: 4.000
- No. of images: 245

4.3.2 Recon 2

- Series description: m 1=45AC CT 2 mm MA m 2= AC CT 2 mm
- Slice: 2
- Kernel: B19f
- Window: Abdomen
- Extended FoV: On
- FoV: 780
- 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: 489

4.3.3 Recon 3

- Series description: m 1=CT WB2345*MA* m 2= CT WB 2.0 B30f
- Slice: 2
- Kernel: B30f
- 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: 2.000
- No. of images: 489

4.3.4 Recon 4

- Series description: m 1=CT WB245B30f *MA* m 2= CT WB 2.0 cor B30f
- Slice: 2
- Kernel: B30f
- Window: Abdomen
- Extended FoV: Off
- FoV: 977
- Center X: 0
- Center Y: 0
- Mirroring: None
- Extended CT scale: Standard
- Recon job: 3D
- Recon Axis: Coronal
- Image order: AP
- Recon increment: 2.000
- No. of images: 251

4.3.5 Recon 5

- Series description: m 1=CT WB245B30f *MA* m 2= CT WB 2.0 sag B30f
- Slice: 2
- Kernel: B30f
- Window: Abdomen
- Extended FoV: Off
- FoV: 977
- Center X: 0
- Center Y: 0

- Mirroring: None
- Extended CT scale: Standard
- Recon job: 3D
- Recon Axis: Sagittal
- Image order: LeftToRight
- Recon increment: 2.000
- No. of images: 489

5 Pause

6 PET WB

6.1 Routine

- Isotope: F-18
- Pharm.: Fluorodeoxyglucose
- Inj. Dose: 0 Bequerels
- Scan mode: Sinogram
- Scan range: Do not match CT FOV
- No. of beds: Not given. Check recon range
- Scan duration/bed: 2.000000 Minutes

6.2 Scan

- Autoload: On
- Rebinner LUT: Off
- Scan output: Sinogram
- Sinogram mode: false
- Input trigger signal: None

- LLD (keV): n/a
- ULD (keV): n/a

6.3 Recons

6.3.1 Recon 1

- Series description: PET WB Image check HD
- Recon range (bed): 1 to 7
- Output image type: Corrected
- Recon method: TrueX
- Iterations: 2
- Subsets: 12
- Image size: 200
- Zoom: 1
- Filter: Gaussian
- FWHM (mm): 4.000000
- Offset X: 0 mm
- Offset Y: 0 mm
- Attenuation correction: Off ()
- Scatter correction: On
- Match CT slice location: On
- Save intermediate data: Off

6.3.2 Recon 2

- Series description: PET WB Corr TrueX+TOF 2 mm
- Recon range (bed): 1 to 7
- Output image type: Corrected
- Recon method: TrueXTOF
- Iterations: 2
- Subsets: 21
- Image size: 400
- Zoom: 1
- Filter: Gaussian
- FWHM (mm): 2.000000
- Offset X: 0 mm
- Offset Y: 0 mm
- Attenuation correction: Off ()
- Scatter correction: On
- Match CT slice location: On
- Save intermediate data: Off

6.3.3 Recon 3

- Series description: PET WB Corr TrueX
- Recon range (bed): 1 to 7
- Output image type: Corrected
- Recon method: TrueX
- Iterations: 2
- Subsets: 24
- Image size: 400

- Zoom: 1
- Filter: Gaussian
- FWHM (mm): 2.000000
- Offset X: 0 mm
- Offset Y: 0 mm
- Attenuation correction: Off ()
- Scatter correction: On
- Match CT slice location: On
- Save intermediate data: Off

6.3.4 Recon 4

- Series description: PET WB UDEN True X + TOF
- Recon range (bed): 1 to 7
- Output image type: Corrected
- Recon method: Iterative3D
- Iterations: 3
- Subsets: 24
- Image size: 400
- Zoom: 1
- Filter: Gaussian
- FWHM (mm): 4.000000
- Offset X: 0 mm
- Offset Y: 0 mm
- Attenuation correction: Off ()
- Scatter correction: On
- Match CT slice location: On
- Save intermediate data: Off

6.3.5 Recon 5

- Series description: PET WB no AC
- Recon range (bed): 1 to 7
- Output image type: Uncorrected
- Recon method: Iterative3D
- Iterations: 3
- Subsets: 24
- Image size: 400
- Zoom: 1
- Filter: Gaussian
- FWHM (mm): 4.000000
- Offset X: 0 mm
- Offset Y: 0 mm
- Attenuation correction: Off ()
- Scatter correction: On
- Match CT slice location: On
- Save intermediate data: Off