

5_PET_CT_HIV_RT_KAR.Adult_PET4

17. november 2012

Indhold

1	Topogram	1
1.1	Routine	1
1.2	Scan	1
2	CT uden IV	1
2.1	Routine	1
2.2	Scan	2
2.3	Recons	2
2.3.1	Recon 1	2
2.3.2	Recon 2	3
2.3.3	Recon 3	4
2.3.4	Recon 4	4
3	Pause	5
4	PET	5
4.1	Routine	5
4.2	Scan	5
4.3	Recons	6
4.3.1	Recon 1	6
4.3.2	Recon 2	7
4.3.3	Recon 3	7
5	Pause	8
6	PreMonitoring	8
6.1	Routine	8
6.2	Scan	9
6.3	Recons	9
6.3.1	Recon 1	9
7	Monitoring	10
7.1	Routine	10
7.2	Scan	10
7.3	Recons	11
7.3.1	Recon 1	11
8	CT med IV	11
8.1	Routine	11
8.2	Scan	12
8.3	Recons	12
8.3.1	Recon 1	12

8.3.2	Recon 2	. . . . .	13
8.3.3	Recon 3	. . . . .	14
8.3.4	Recon 4	. . . . .	14
8.3.5	Recon 5	. . . . .	15
8.3.6	Recon 6	. . . . .	16

1 Topogram

1.1 Routine

- mA: 35
- kV: 120
- Topogram length: 1024 mm
- Tube position: Top

1.2 Scan

- mA: 35
- kV: 120
- Delay: 4s
- Topogram length: 1024 mm
- Direction: Craniocaudal
- Tube position: Top
- API: API
- Kernel: 80
- Window: Topogram

2 CT uden IV

2.1 Routine

- Eff. mAs: 170
- kV: 120
- CARE Dose4D: On
- CareDoseType: CareDoseAEC
- CTDIvol: 12.376mGy

- Scan time: 20.290 s
- Delay: 2.000 s
- Slice: 2 mm
- No. of images: Samme som i foerste recon, slet?(y/n)
- Tilt: 0.0 grader

2.2 Scan

- Quality ref. mAs: 170
- Eff. mAs: 170
- kV: 120
- Scan time: 20.290 s
- Rotation time: 0.500 s
- Delay: 2.000 s
- Slice: 2 mm
- Pitch: 0.80
- Direction: Craniocaudal

2.3 Recons

2.3.1 Recon 1

- Series description: tmp CT uden IV 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: 151

2.3.2 Recon 2

- Series description: AC CT 2.0
- 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: 301

2.3.3 Recon 3

- Series description: CT uden IV 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: 301

2.3.4 Recon 4

- Series description: CT uden IV 1.
- Slice: 1.5
- Kernel: B26f
- Window: CT
- Extended FoV: Off
- FoV: 172
- Center X: 0
- Center Y: 0

- Mirroring: None
- Extended CT scale: Standard
- Recon job: Axial
- Recon Axis: Axial
- Image order: Craniocaudal
- Recon increment: 0.700
- No. of images: 219

3 Pause

4 PET

4.1 Routine

- Isotope: F-18
- Pharm.: Fluorodeoxyglucose
- Inj. Dose: 1000000.000000 Bequerels
- Inj. date (date/month - year): 16/07 - 2012
- Inj. time: 10:58:43
- Scan mode: Sinogram
- Scan range: Match CT FOV
- No. of beds: Not given. Check recon range
- Scan duration/bed: 3.000000 Minutes

4.2 Scan

- Autoload: On
- Rebinner LUT: N/A
- Scan output: Sinogram

- 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: PET WB Image check HD
- Recon range (bed): 1 to 4
- 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: On (1)
- Scatter correction: On
- Match CT slice location: On
- Save intermediate data: Off

4.3.2 Recon 2

- Series description: PET Corr TrueX+TOF 2 mm
- Recon range (bed): 1 to 4
- 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: On (1)
- Scatter correction: On
- Match CT slice location: On
- Save intermediate data: Off

4.3.3 Recon 3

- Series description: PET Corr 512 5i24s z2f2 noTOF noPSF PE
- Recon range (bed): 1 to 4
- Output image type: Corrected
- Recon method: Iterative3D
- Iterations: 5
- Subsets: 24
- Image size: 512

- Zoom: 2.000000
- Filter: Gaussian
- FWHM (mm): 2.000000
- 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 PreMonitoring

6.1 Routine

- Eff. mAs: 20
- kV: 120
- CARE Dose4D: Off
- CareDoseType: CareDoseAEC
- CTDIvol: 1.186mGy
- 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

6.2 Scan

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

6.3 Recons

6.3.1 Recon 1

- Series description: PreMonitoring 10.0 eFoV
- Slice: 10
- Kernel: B30s
- 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

7 Monitoring

7.1 Routine

- Eff. mAs: 20
- kV: 120
- CARE Dose4D: Off
- CareDoseType: CareDoseAEC
- CTDLvol: 35.58mGy
- 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

7.2 Scan

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

7.3 Recons

7.3.1 Recon 1

- Series description: Monitoring 10.0 eFoV
- Slice: 10
- Kernel: B30s
- 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

8 CT med IV

8.1 Routine

- Eff. mAs: 119
- kV: 120
- CARE Dose4D: On
- CareDoseType: CareDoseAEC
- CTDIvol: 8.67533mGy

- Scan time: 13.890 s
- Delay: 10.000 s
- Slice: 2 mm
- No. of images: Samme som i foerste recon, slet?(y/n)
- Tilt: 0.0 grader

8.2 Scan

- Quality ref. mAs: 119
- Eff. mAs: 119
- kV: 120
- Scan time: 13.890 s
- Rotation time: 0.500 s
- Delay: 10.000 s
- Slice: 2 mm
- Pitch: 1.20
- Direction: Craniocaudal

8.3 Recons

8.3.1 Recon 1

- Series description: tmp CT med IV RTD
- Slice: 4
- 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: 4.000
- No. of images: 151

8.3.2 Recon 2

- Series description: CT med IV 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: 302

8.3.3 Recon 3

- Series description: CT med IV 2.0
- Slice: 2
- Kernel: B26f
- Window: CT
- 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: 302

8.3.4 Recon 4

- Series description: CT med IV 2.0 cor
- Slice: 2
- Kernel: B30f
- Window: Abdomen
- Extended FoV: Off
- FoV: 753
- 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: 168

8.3.5 Recon 5

- Series description: CT med IV 2.0 sag
- Slice: 2
- Kernel: B30f
- Window: Abdomen
- Extended FoV: Off
- FoV: 753
- 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: 251

8.3.6 Recon 6

- Series description: CT med IV 1.5
- Slice: 1.5
- Kernel: B26f
- Window: CT
- Extended FoV: Off
- FoV: 165
- Center X: 0
- Center Y: 0
- Mirroring: None
- Extended CT scale: Standard
- Recon job: Axial
- Recon Axis: Axial
- Image order: Craniocaudal
- Recon increment: 0.700
- No. of images: 218