

WB_FDG_PET_CT_Lunge_5.MlAdult_PET5

27. februar 2013

Indhold

1	Topogram	1
1.1	Routine	1
1.2	Scan	1
2	CT Lung	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
3	Pause	4
4	CT WB	4
4.1	Routine	4
4.2	Scan	4
4.3	Recons	5
4.3.1	Recon 1	5
4.3.2	Recon 2	5
4.3.3	Recon 3	6
4.3.4	Recon 4	7
5	Pause	7
6	PET WB	7
6.1	Routine	7
6.2	Scan	8
6.3	Recons	8
6.3.1	Recon 1	8
6.3.2	Recon 2	9

1 Topogram

1.1 Routine

- mA: 35
- kV: 120
- Topogram length: 1536 mm
- Tube position: Top

1.2 Scan

- mA: 35
- kV: 120
- Delay: 4s
- Topogram length: 1536 mm
- Direction: Craniocaudal
- Tube position: Top
- API: API 32
- Kernel: 80s shar
- Window: Topogram Body

2 CT Lung

2.1 Routine

- Eff. mAs: 100
- kV: 120
- CARE Dose4D: On
- CareDoseType: CareDoseAEC
- CTDIvol: 8.26mGy

- Scan time: 12.140 s
- Delay: 8.000 s
- Slice: 5.00 mm
- No. of images: Samme som i foerste recon, slet?(y/n)
- Tilt: 0.0 grader

2.2 Scan

- Quality ref. mAs: 100
- Eff. mAs: 100
- kV: 120
- Scan time: 12.140 s
- Rotation time: 0.500 s
- Delay: 8.000 s
- Slice: 5.00 mm
- Pitch: 1.4000000
- Direction: Caudocranial

2.3 Recons

2.3.1 Recon 1

- Series description: CT Lunge 3.0 B19f
- Slice: 5.00
- Kernel: B19f PET very smooth
- Window: Mediastinum
- Extended FoV: Off
- FoV: 440
- 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: 127

2.3.2 Recon 2

- Series description: CT Lung 2.0 B70f
- Slice: 2.00
- Kernel: B70f very sharp
- Window: Lung
- Extended FoV: Off
- FoV: 440
- Center X: 0
- Center Y: 0
- Mirroring: None
- Extended CT scale: Standard
- Recon job: Axial
- Recon Axis: Axial
- Image order: Craniocaudal
- Recon increment: 1.500
- No. of images: 254

3 Pause

4 CT WB

4.1 Routine

- Eff. mAs: 225
- kV: 120
- CARE Dose4D: On
- CareDoseType: CareDoseAEC
- CTDIvol: 15.169mGy
- Scan time: 14.410 s
- Delay: 6.000 s
- Slice: 3.00 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: 14.410 s
- Rotation time: 0.500 s
- Delay: 6.000 s
- Slice: 3.00 mm
- Pitch: 1.0500000
- Direction: Craniocaudal

4.3 Recons

4.3.1 Recon 1

- Series description: AC CT
- 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

4.3.2 Recon 2

- Series description: CT WB 3.0 B30f
- Slice: 3.00
- Kernel: B30f medium smooth
- 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: 3.000
- No. of images: 274

4.3.3 Recon 3

- Series description: CT WB 3.0 COR
- Slice: 3.00
- Kernel: B30f medium smooth
- Window: Abdomen
- Extended FoV: Off
- FoV: 821
- Center X: 0
- Center Y: 0
- Mirroring: None
- Extended CT scale: Standard
- Recon job: 3D
- Recon Axis: Coronal
- Image order: AP
- Recon increment: 3.000
- No. of images: 167

4.3.4 Recon 4

- Series description: CT WB 3.0 SAG
- Slice: 3.00
- Kernel: B30f medium smooth
- Window: Abdomen
- Extended FoV: Off
- FoV: 821
- Center X: 0
- Center Y: 0
- Mirroring: None
- Extended CT scale: Standard
- Recon job: 3D
- Recon Axis: Sagittal
- Image order: LeftToRight
- Recon increment: 3.000
- No. of images: 274

5 Pause

6 PET WB

6.1 Routine

- Isotope: F-18
- Pharm.: FDG
- Inj. Dose: 400 MegaBequerels
- Scan mode: Sinogram
- Scan range: Match CT FOV

- No. of beds: 1
- Scan duration/bed: 3 Minutes

6.2 Scan

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

6.3 Recons

6.3.1 Recon 1

- Series description: PET WB Image check
- Recon range (bed): -1 to -1
- Output image type: Corrected
- Recon method: Iterative
- 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

6.3.2 Recon 2

- Series description: PET WB Corr 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