$4_PET_CT_WB_FDG_Terapi_IV_Breathold.Adult_PET4$

3. december 2012

Indhold

1	Top 1.1 1.2	gram 1 Routine 1 Scan 1
2	Pre: 2.1 2.2 2.3	Ionitoring 1 Routine 1 Scan 2 Recons 2 2.3.1 Recon 1 2
3	Moi 3.1 3.2 3.3	toring 3 Routine 3 Scan 4 Recons 4 3.3.1 Recon 1 4
4	WB 4.1 4.2 4.3	CT 5 Routine 5 Scan 5 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	Pau	e
6	PE 76.1 6.2 6.3	WB 9 Routine 9 Scan 9 Recons 10 3.3.1 Recon 1 10 3.3.2 Recon 2 11
7	Pau	e 11
8	CT 8.1 8.2 8.3	Sounge 11 Routine 12 Scan 12 Recons 12 3.3.1 Recong 1

		8.3.2	Recon 2	 			 		 											13
		8.3.3	Recon 3	 			 		 											14
9	Pau	se																		14
10	$\mathbf{PE}\mathbf{I}$	Lung	ge																	14
	10.1	Routin	ne	 			 		 											14
	10.2	Scan		 			 		 											15
			S																	15
		10.3.1	Recon 1	 			 		 											15
			Recon 2																	16
			Recon 3																	17
11	Pau	se																		17
12	PET	Lung	ξe																	17
		_	, 1e	 			 		 											17
																				18
	12.3		S																	18
			Recon 1																	18
			Recon 2																	19
			Recon 3	•	•	- '	 . •	•	 •	•	•	•	•	•	•	•	•	•	 •	20

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 PreMonitoring

2.1 Routine

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

• 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

 \bullet Scan time: 0.500 s

• Rotation time: 0.500 s

• Delay: 2.000 s

• Slice: 10 mm

• Pitch: 0.00

• Direction: Craniocaudal

2.3 Recons

2.3.1 Recon 1

• Series description: 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

• CTDlvol: 35.58mGy

 \bullet 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

 \bullet Scan time: 0.500 s

 \bullet Rotation time: 0.500 s

• Delay: 10.000 s

• Slice: 10 mm

• Pitch: 0.00

• Direction: Craniocaudal

3.3 Recons

3.3.1 Recon 1

• Series description: 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: 200

• kV: 120

• CARE Dose4D: On

• CareDoseType: CareDoseAEC

• CTDlvol: 14.56mGy

 \bullet Scan time: 32.530 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: 200

• Eff. mAs: 200

• kV: 120

• Scan time: 32.530 s

• Rotation time: 0.500 s

 \bullet Delay: 4.000 s

• Slice: 2 mm

• Pitch: 0.80

• Direction: Craniocaudal

4.3 Recons

4.3.1 Recon 1

- Series description: tmp 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: 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: 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: 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: 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

 $\bullet\,$ Inj. Dose: 265000000.000000 Bequerels

 $\bullet\,$ Inj. date (date/month - year): 23/05 - 2012

• Inj. time: 11:47:01

• Scan mode: Sinogram

• Scan range: Match CT FOV

 $\bullet\,$ No. of beds: Not given. Check recon range

• Scan duration/bed: 2.000000 Minutes

6.2 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

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 (1)
- 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 (1)
- Scatter correction: On
- Match CT slice location: On
- Save intermediate data: Off

7 Pause

8 CT Lunge

8.1 Routine

- Eff. mAs: 225
- kV: 120
- CARE Dose4D: On
- CareDoseType: CareDoseAEC

• CTDlvol: 17.1mGy

 \bullet Scan time: 0.970 s

• Delay: 10.000 s

• Slice: 3 mm

• No. of images: Samme som i foerste recon, slet?(y/n)

• Tilt: 0.0 grader

8.2 Scan

• Quality ref. mAs: 225

• Eff. mAs: 225

• kV: 120

• Scan time: 0.970 s

• Rotation time: 0.500 s

• Delay: 10.000 s

• Slice: 3 mm

• Pitch: 1.40

• Direction: Caudocranial

8.3 Recons

8.3.1 Recon 1

• Series description: tmp CT Lunge RTD

• Slice: 5

• Kernel: B18f

• Window: Mediastinum

• 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: Caudocranial

• Recon increment: 5.000

• No. of images: 1

8.3.2 Recon 2

• Series description: CT Lunge 3.0 eFoV

• Slice: 3

• Kernel: B18f

• Window: Mediastinum

• 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: 3.000

• No. of images: 1

8.3.3 Recon 3

• Series description: CT CT Lunge 3.0 B70f

• Slice: 3

• Kernel: B70f

• Window: Lung

• Extended FoV: Off

• FoV: 331

• 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: 1

9 Pause

10 PET Lunge

10.1 Routine

• Isotope: F-18

• Pharm.: Fluorodeoxyglucose

• Inj. Dose: 300000000.000000 Bequerels

• Inj. date (date/month - year): 23/05 - 2012

• Inj. time: 11:47:01

- Scan mode: Sinogram
- Scan range: Match CT FOV
- No. of beds: Not given. Check recon range
- Scan duration/bed: 20.000000 Seconds

10.2 Scan

- Autoload: Off
- Rebinner LUT: N/A
- Scan output: Sinogram
- Sinogram mode: false
- Input trigger signal: None
- LLD (keV): N/A
- ULD (keV): N/A

10.3 Recons

10.3.1 Recon 1

- Series description: PET Lunge Iterativ
- Recon range (bed): Automatic/All/dunno
- Output image type: Corrected
- Recon method: Iterative3D
- Iterations: 4
- Subsets: 8
- Image size: 200
- Zoom: 1
- Filter: Gaussian
- FWHM (mm): 4.000000

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

10.3.2 Recon 2

- Series description: PET Lunge TrueX+TOF
- Recon range (bed): Automatic/All/dunno
- 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 (1)
- Scatter correction: On
- Match CT slice location: On
- Save intermediate data: Off

10.3.3 Recon 3

• Series description: PET Lunge OSEM

• Recon range (bed): Automatic/All/dunno

• Output image type: Corrected

• Recon method: Iterative3D

• Iterations: 4

• Subsets: 8

• Image size: 256

• Zoom: 1

• Filter: Gaussian

• FWHM (mm): 4.000000

• Offset X: 0 mm

• Offset Y: 0 mm

• Attenuation correction: Off (1)

• Scatter correction: On

• Match CT slice location: On

• Save intermediate data: Off

11 Pause

12 PET Lunge

12.1 Routine

• Isotope: F-18

 \bullet Pharm.: Fluorodeoxyglucose

• Inj. Dose: 300000000.000000 Bequerels

 \bullet Inj. date (date/month - year): 23/05 - 2012

• Inj. time: 11:47:01

• Scan mode: Sinogram

• Scan range: Match CT FOV

• No. of beds: Not given. Check recon range

• Scan duration/bed: 20.000000 Seconds

12.2 Scan

• Autoload: Off

• Rebinner LUT: N/A

• Scan output: Sinogram

• Sinogram mode: false

• Input trigger signal: None

• LLD (keV): N/A

• ULD (keV): N/A

12.3 Recons

12.3.1 Recon 1

• Series description: PET Lunge Iterativ

• Recon range (bed): Automatic/All/dunno

• Output image type: Corrected

• Recon method: Iterative3D

• Iterations: 4

• Subsets: 8

• Image size: 200

• Zoom: 1

• Filter: Gaussian

- FWHM (mm): 4.000000
- Offset X: 0 mm
- Offset Y: 0 mm
- Attenuation correction: Off (1)
- Scatter correction: On
- Match CT slice location: On
- Save intermediate data: Off

12.3.2 Recon 2

- Series description: PET Lunge TrueX+TOF
- Recon range (bed): Automatic/All/dunno
- 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 (1)
- Scatter correction: On
- Match CT slice location: On
- Save intermediate data: Off

12.3.3 Recon 3

• Series description: PET Lunge OSEM

• Recon range (bed): Automatic/All/dunno

• Output image type: Corrected

• Recon method: Iterative3D

• Iterations: 4

• Subsets: 8

• Image size: 256

• Zoom: 1

• Filter: Gaussian

• FWHM (mm): 4.000000

• Offset X: 0 mm

• Offset Y: 0 mm

• Attenuation correction: Off (1)

• Scatter correction: On

• Match CT slice location: On

• Save intermediate data: Off