$4_PET_CT_WB_FDG_Terapi_IV_Breathold.Adult_PET4$

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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: 1.18627mGy

• 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

 \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: 35.5881mGy

• 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

 \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: 14.6179mGy

• 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: 200

• Eff. mAs: 200

• kV: 120

• Scan time: 32.745 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: 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

• Inj. Dose: 265000000 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

7 Pause

8 CT Lunge

8.1 Routine

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

 \bullet CTDlvol: 17.1537mGy

 \bullet Scan time: 0.933 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: 0.933 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: 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: 4

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

 $\bullet\,$ Inj. Dose: 300000000 Bequerels

• Scan mode: Sinogram

• Scan range: Do not match CT FOV

- $\bullet\,$ No. of beds: Not given. Check recon range
- Scan duration/bed: 20.000000 Seconds

10.2 Scan

- Autoload: Off
- Rebinner LUT: Off
- 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): 1 to 1
- 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 ()
- 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): 1 to 1
- 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

10.3.3 Recon 3

• Series description: PET Lunge OSEM

• Recon range (bed): 1 to 1

• 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 ()

• Scatter correction: On

• Match CT slice location: On

• Save intermediate data: Off

11 Pause

12 PET Lunge

12.1 Routine

• Isotope: F-18

• Pharm.: Fluorodeoxyglucose

• Inj. Dose: 300000000 Bequerels

• Scan mode: Sinogram

- Scan range: Do not match CT FOV
- No. of beds: Not given. Check recon range
- Scan duration/bed: 20.000000 Seconds

12.2 Scan

- Autoload: Off
- Rebinner LUT: Off
- 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): 1 to 1
- 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 ()
- 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): 1 to 1
- 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

12.3.3 Recon 3

• Series description: PET Lunge OSEM

• Recon range (bed): 1 to 1

• 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 ()

• Scatter correction: On

• Match CT slice location: On

• Save intermediate data: Off