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
- 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
- CTDIvol: 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: 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
- CTDIvol: 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
- 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
- CTDlvol: 17.1537mGy
- 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
- 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

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