# 1_PET_CT_WB_FDG_med_IV_Bolus.Adult_PET4

20. februar 2013

# Indhold

# 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: m 1=0.000000 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: m 1=-1 0.00

- Direction: Craniocaudal

## 2.3 Recons

### 2.3.1 Recon 1

- Series description: m $1=12345MA$ m 2= 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: m 1=0.000000 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: m 1=-1 0.00

- Direction: Craniocaudal

## 3.3 Recons

### 3.3.1 Recon 1

- Series description: m 1=$12345MA$ m 2= 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   CT WB

## 4.1   Routine

- Eff. mAs: 225

- kV: 120

- CARE Dose4D: On

- CareDoseType: CareDoseAEC

- CTDlvol: m 1=0.000000 16.4451mGy

- Scan time: 28.644 s

- Delay: 25.000 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: 225

- Eff. mAs: 225

- kV: 120

- Scan time: 28.644 s

- Rotation time: 0.500 s

- Delay: 25.000 s

- Slice: 2 mm

- Pitch: m 1=-1 0.80

- Direction: Craniocaudal

## 4.3 Recons

### 4.3.1 Recon 1

- Series description: m 1=12345$MA$ m 2= CT WB 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: 213

### 4.3.2 Recon 2

- Series description: m 1=45AC CT 2 mm $MA$ m 2= 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: 426

### 4.3.3   Recon 3

- Series description: m 1=CT WB2345$MA$ m 2= 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: 426

### 4.3.4 Recon 4

- Series description: m 1=CT WB245B30f $MA$ m 2= CT WB 2.0 cor B30f

- Slice: 2

- Kernel: B30f

- Window: Abdomen

- Extended FoV: Off

- FoV: 1103

- 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: 185

### 4.3.5 Recon 5

- Series description: m 1=CT WB245B30f $MA$ m 2= CT WB 2.0 sag B30f

- Slice: 2

- Kernel: B30f

- Window: Abdomen

- Extended FoV: Off

- FoV: 1103

- 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: 250

# 5 Pause

# 6 PET WB

## 6.1 Routine

- Isotope: F-18

- Pharm.: Fluorodeoxyglucose

- Inj. Dose: 0 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 6

- 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 6

- 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