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\\USER

Ganzkörper

clinical

Diff Ganzkörper

[ep2d\\_diff\\_stir\\_b50\\_800\\_tra](#)

\\USER\Ganzkörper\clinical\Diff Ganzkörper\ep2d\_diff\_stir\_b50\_800\_tra

TA: 2:23 PM: ISO Voxel size: 1.6×1.6×5.0 mmPAT: 2 Rel. SNR: 1.00 : epir | Substep: 1/4

**Properties**

Prio recon	Off
Load images to viewer	On
Inline movie	Off
Auto store images	On
Load images to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Auto close inline display	Off
Start measurement without further preparation	Off
Wait for user to start	Off
Start measurements	Single measurement

**Routine**

Slice group	1
Slices	40
Dist. factor	0 %
Position	L0.0 P0.0 F45.8 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	8 %
FoV read	430 mm
FoV phase	68.7 %
Slice thickness	5.0 mm
TR	6190 ms
TE	61.0 ms
Concatenations	1
Filter	Dynamic Field Corr., Distortion Corr.(2D), Prescan Normalize
Coil elements	HE3,4;NE1,2;SP1

**Contrast - Common**

TR	6190 ms
TE	61.0 ms
MTC	Off
Magn. preparation	Slice-sel. IR
TI	180 ms
IR scheme	Sequential
Fat suppr.	None

**Contrast - Dynamic**

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Delay in TR	0 ms

**Resolution - Common**

FoV read	430 mm
FoV phase	68.7 %
Slice thickness	5.0 mm
Base resolution	134
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	On

**Resolution - iPAT**

Accel. mode	GRAPPA
Accel. factor PE	2

**Resolution - iPAT**

Ref. lines PE	32
Reference scan mode	GRE/separate

**Resolution - Filter Image**

Distortion Corr.	On
Mode	2D
Prescan Normalize	On
Dynamic Field Corr.	On
Unfiltered images	Off

**Resolution - Filter Rawdata**

Raw filter	Off
Elliptical filter	Off

**Geometry - Common**

Slice group	1
Slices	40
Dist. factor	0 %
Position	L0.0 P0.0 F45.8 mm
Orientation	Transversal
Phase enc. dir.	A >> P
FoV read	430 mm
FoV phase	68.7 %
Slice thickness	5.0 mm
TR	6190 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

**Geometry - AutoAlign**

Slice group	1
Position	L0.0 P0.0 F45.8 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L0.0 P0.0 F45.8
L	0.0 mm
P	0.0 mm
F	45.8 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

**Geometry - Saturation**

Fat suppr.	None
Special sat.	None

**Geometry - Navigator****Geometry - Tim Planning Suite**

Set-n-Go Protocol	On
Table position	F
Table position	46 mm
Inline Composing	On
Normalize	Weak
Composing Function	Diffusion

**System - Miscellaneous**

Positioning mode	ISO
Table position	F

**System - Miscellaneous**

Table position	46 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat
AutoAlign	---
Coil Select Mode	On - AutoCoilSelect

**System - Adjustments**

B0 Shim mode	Standard Neck
Adjust with body coil	Off
Confirm freq. adjustment	On
Only after freq. change	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

**System - Adjust Volume**

Position	L0.0 P0.0 F45.8 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	74 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

**System - Tx/Rx**

Frequency 1H	63.679852 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	3.000
Reset	Off
? Ref. amplitude 1H	0.000 V

**Physio - Signal1**

1st Signal/Mode	None
TR	6190 ms
Concatenations	1

**Physio - PACE**

Resp. control	Off
Concatenations	1

**Diff - Neuro**

Diffusion mode	4-Scan Trace
Diff. directions	4
Diffusion Scheme	Monopolar
Diff. weightings	2
b-value 1	50 s/mm <sup>2</sup>
b-value 2	800 s/mm <sup>2</sup>
b-value 1	1
b-value 2	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
FA maps	Off
Mosaic	Off
Tensor	Off
Noise level	15

**Diff - Body**

Diffusion mode	4-Scan Trace
Diff. directions	4
Diffusion Scheme	Monopolar
Diff. weightings	2
b-value 1	50 s/mm <sup>2</sup>
b-value 2	800 s/mm <sup>2</sup>
b-value 1	1
b-value 2	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Exponential ADC Maps	Off
FA maps	Off
Invert Gray Scale	Off
Calculated Image	Off
b-Value >=	50 s/mm <sup>2</sup>
Noise level	15

**Diff - Composing**

Inline Composing	On
Composing Function	Diffusion
Normalize	Weak
Series Description	
Distortion Corr.	On
Mode	2D

**Sequence - Part 1**

Introduction	Off
Optimization	None
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.49 ms
Bandwidth	2870 Hz/Px

**Sequence - Part 2**

EPI factor	92
RF pulse type	Low SAR
Gradient mode	Fast

\\USER\Ganzkörper\clinical\Diff Ganzkörper\lep2d\_diff\_stir\_b50\_800\_tra

TA: 2:23 PM: ISO Voxel size: 1.6×1.6×5.0 mmPAT: 2 Rel. SNR: 1.00 : epir | Substep: 2/4

**Properties**

Prio recon	Off
Load images to viewer	On
Inline movie	Off
Auto store images	On
Load images to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Auto close inline display	Off
Start measurement without further preparation	Off
Wait for user to start	Off
Start measurements	Single measurement

**Routine**

Slice group	1
Slices	40
Dist. factor	0 %
Position	L0.0 P0.0 F245.8 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	8 %
FoV read	430 mm
FoV phase	68.7 %
Slice thickness	5.0 mm
TR	6190 ms
TE	61.0 ms
Concatenations	1
Filter	Dynamic Field Corr., Distortion Corr.(2D), Prescan Normalize
Coil elements	BO1,2;SP1,2

**Contrast - Common**

TR	6190 ms
TE	61.0 ms
MTC	Off
Magn. preparation	Slice-sel. IR
TI	180 ms
IR scheme	Sequential
Fat suppr.	None

**Contrast - Dynamic**

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Delay in TR	0 ms

**Resolution - Common**

FoV read	430 mm
FoV phase	68.7 %
Slice thickness	5.0 mm
Base resolution	134
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	On

**Resolution - iPAT**

Accel. mode	GRAPPA
Accel. factor PE	2

**Resolution - iPAT**

Ref. lines PE	32
Reference scan mode	GRE/separate

**Resolution - Filter Image**

Distortion Corr.	On
Mode	2D
Prescan Normalize	On
Dynamic Field Corr.	On
Unfiltered images	Off

**Resolution - Filter Rawdata**

Raw filter	Off
Elliptical filter	Off

**Geometry - Common**

Slice group	1
Slices	40
Dist. factor	0 %
Position	L0.0 P0.0 F245.8 mm
Orientation	Transversal
Phase enc. dir.	A >> P
FoV read	430 mm
FoV phase	68.7 %
Slice thickness	5.0 mm
TR	6190 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

**Geometry - AutoAlign**

Slice group	1
Position	L0.0 P0.0 F245.8 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L0.0 P0.0 F45.8
L	0.0 mm
P	0.0 mm
F	45.8 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

**Geometry - Saturation**

Fat suppr.	None
Special sat.	None

**Geometry - Navigator****Geometry - Tim Planning Suite**

Set-n-Go Protocol	On
Table position	F
Table position	246 mm
Inline Composing	On
Normalize	Weak
Composing Function	Diffusion

**System - Miscellaneous**

Positioning mode	ISO
Table position	F

**System - Miscellaneous**

Table position	246 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat
AutoAlign	---
Coil Select Mode	On - AutoCoilSelect

**System - Adjustments**

B0 Shim mode	Abdomen
Adjust with body coil	On
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

**System - Adjust Volume**

Position	L0.0 P0.0 F245.8 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	296 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

**System - Tx/Rx**

Frequency 1H	63.679852 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	3.000
Reset	Off
? Ref. amplitude 1H	0.000 V

**Physio - Signal1**

1st Signal/Mode	None
TR	6190 ms
Concatenations	1

**Physio - PACE**

Resp. control	Off
Concatenations	1

**Diff - Neuro**

Diffusion mode	4-Scan Trace
Diff. directions	4
Diffusion Scheme	Monopolar
Diff. weightings	2
b-value 1	50 s/mm <sup>2</sup>
b-value 2	800 s/mm <sup>2</sup>
b-value 1	1
b-value 2	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
FA maps	Off
Mosaic	Off
Tensor	Off
Noise level	15

**Diff - Body**

Diffusion mode	4-Scan Trace
Diff. directions	4
Diffusion Scheme	Monopolar
Diff. weightings	2
b-value 1	50 s/mm <sup>2</sup>
b-value 2	800 s/mm <sup>2</sup>
b-value 1	1
b-value 2	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Exponential ADC Maps	Off
FA maps	Off
Invert Gray Scale	Off
Calculated Image	Off
b-Value >=	50 s/mm <sup>2</sup>
Noise level	15

**Diff - Composing**

Inline Composing	On
Composing Function	Diffusion
Normalize	Weak
Series Description	
Distortion Corr.	On
Mode	2D

**Sequence - Part 1**

Introduction	Off
Optimization	None
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.49 ms
Bandwidth	2870 Hz/Px

**Sequence - Part 2**

EPI factor	92
RF pulse type	Low SAR
Gradient mode	Fast

\\USER\Ganzkörper\clinical\Diff Ganzkörper\lep2d\_diff\_stir\_b50\_800\_tra

TA: 2:23 PM: ISO Voxel size: 1.6×1.6×5.0 mmPAT: 2 Rel. SNR: 1.00 : epir | Substep: 3/4

**Properties**

Prio recon	Off
Load images to viewer	On
Inline movie	Off
Auto store images	On
Load images to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Auto close inline display	Off
Start measurement without further preparation	Off
Wait for user to start	Off
Start measurements	Single measurement

**Routine**

Slice group	1
Slices	40
Dist. factor	0 %
Position	L0.0 P0.0 F445.8 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	8 %
FoV read	430 mm
FoV phase	68.7 %
Slice thickness	5.0 mm
TR	6190 ms
TE	61.0 ms
Concatenations	1
Filter	Dynamic Field Corr., Distortion Corr.(2D), Prescan Normalize
Coil elements	BO2,3;SP2-4

**Contrast - Common**

TR	6190 ms
TE	61.0 ms
MTC	Off
Magn. preparation	Slice-sel. IR
TI	180 ms
IR scheme	Sequential
Fat suppr.	None

**Contrast - Dynamic**

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Delay in TR	0 ms

**Resolution - Common**

FoV read	430 mm
FoV phase	68.7 %
Slice thickness	5.0 mm
Base resolution	134
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	On

**Resolution - iPAT**

Accel. mode	GRAPPA
Accel. factor PE	2

**Resolution - iPAT**

Ref. lines PE	32
Reference scan mode	GRE/separate

**Resolution - Filter Image**

Distortion Corr.	On
Mode	2D
Prescan Normalize	On
Dynamic Field Corr.	On
Unfiltered images	Off

**Resolution - Filter Rawdata**

Raw filter	Off
Elliptical filter	Off

**Geometry - Common**

Slice group	1
Slices	40
Dist. factor	0 %
Position	L0.0 P0.0 F445.8 mm
Orientation	Transversal
Phase enc. dir.	A >> P
FoV read	430 mm
FoV phase	68.7 %
Slice thickness	5.0 mm
TR	6190 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

**Geometry - AutoAlign**

Slice group	1
Position	L0.0 P0.0 F445.8 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L0.0 P0.0 F45.8
L	0.0 mm
P	0.0 mm
F	45.8 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

**Geometry - Saturation**

Fat suppr.	None
Special sat.	None

**Geometry - Navigator****Geometry - Tim Planning Suite**

Set-n-Go Protocol	On
Table position	F
Table position	446 mm
Inline Composing	On
Normalize	Weak
Composing Function	Diffusion

**System - Miscellaneous**

Positioning mode	ISO
Table position	F

**System - Miscellaneous**

Table position	446 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat
AutoAlign	---
Coil Select Mode	On - AutoCoilSelect

**System - Adjustments**

B0 Shim mode	Abdomen
Adjust with body coil	On
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

**System - Adjust Volume**

Position	L0.0 P0.0 F445.8 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	296 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

**System - Tx/Rx**

Frequency 1H	63.679852 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	3.000
Reset	Off
? Ref. amplitude 1H	0.000 V

**Physio - Signal1**

1st Signal/Mode	None
TR	6190 ms
Concatenations	1

**Physio - PACE**

Resp. control	Off
Concatenations	1

**Diff - Neuro**

Diffusion mode	4-Scan Trace
Diff. directions	4
Diffusion Scheme	Monopolar
Diff. weightings	2
b-value 1	50 s/mm <sup>2</sup>
b-value 2	800 s/mm <sup>2</sup>
b-value 1	1
b-value 2	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
FA maps	Off
Mosaic	Off
Tensor	Off
Noise level	15

**Diff - Body**

Diffusion mode	4-Scan Trace
Diff. directions	4
Diffusion Scheme	Monopolar
Diff. weightings	2
b-value 1	50 s/mm <sup>2</sup>
b-value 2	800 s/mm <sup>2</sup>
b-value 1	1
b-value 2	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Exponential ADC Maps	Off
FA maps	Off
Invert Gray Scale	Off
Calculated Image	Off
b-Value >=	50 s/mm <sup>2</sup>
Noise level	15

**Diff - Composing**

Inline Composing	On
Composing Function	Diffusion
Normalize	Weak
Series Description	
Distortion Corr.	On
Mode	2D

**Sequence - Part 1**

Introduction	Off
Optimization	None
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.49 ms
Bandwidth	2870 Hz/Px

**Sequence - Part 2**

EPI factor	92
RF pulse type	Low SAR
Gradient mode	Fast

\\USER\Ganzkörper\clinical\Diff Ganzkörper\ep2d\_diff\_stir\_b50\_800\_tra

TA: 2:23 PM: ISO Voxel size: 1.6×1.6×5.0 mmPAT: 2 Rel. SNR: 1.00 : epir | Substep: 4/4

**Properties**

Prio recon	Off
Load images to viewer	On
Inline movie	Off
Auto store images	On
Load images to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Auto close inline display	Off
Start measurement without further preparation	Off
Wait for user to start	Off
Start measurements	Single measurement

**Routine**

Slice group	1
Slices	40
Dist. factor	0 %
Position	L0.0 P0.0 F645.8 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	8 %
FoV read	430 mm
FoV phase	68.7 %
Slice thickness	5.0 mm
TR	6190 ms
TE	61.0 ms
Concatenations	1
Filter	Dynamic Field Corr., Distortion Corr.(2D), Prescan Normalize
Coil elements	BO1,2;SP4,5

**Contrast - Common**

TR	6190 ms
TE	61.0 ms
MTC	Off
Magn. preparation	Slice-sel. IR
TI	180 ms
IR scheme	Sequential
Fat suppr.	None

**Contrast - Dynamic**

Averaging mode	Long term
Reconstruction	Magnitude
Measurements	1
Delay in TR	0 ms

**Resolution - Common**

FoV read	430 mm
FoV phase	68.7 %
Slice thickness	5.0 mm
Base resolution	134
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	On

**Resolution - iPAT**

Accel. mode	GRAPPA
Accel. factor PE	2

**Resolution - iPAT**

Ref. lines PE	32
Reference scan mode	GRE/separate

**Resolution - Filter Image**

Distortion Corr.	On
Mode	2D
Prescan Normalize	On
Dynamic Field Corr.	On
Unfiltered images	Off

**Resolution - Filter Rawdata**

Raw filter	Off
Elliptical filter	Off

**Geometry - Common**

Slice group	1
Slices	40
Dist. factor	0 %
Position	L0.0 P0.0 F645.8 mm
Orientation	Transversal
Phase enc. dir.	A >> P
FoV read	430 mm
FoV phase	68.7 %
Slice thickness	5.0 mm
TR	6190 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

**Geometry - AutoAlign**

Slice group	1
Position	L0.0 P0.0 F645.8 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L0.0 P0.0 F45.8
L	0.0 mm
P	0.0 mm
F	45.8 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

**Geometry - Saturation**

Fat suppr.	None
Special sat.	None

**Geometry - Navigator****Geometry - Tim Planning Suite**

Set-n-Go Protocol	On
Table position	F
Table position	646 mm
Inline Composing	On
Normalize	Weak
Composing Function	Diffusion

**System - Miscellaneous**

Positioning mode	ISO
Table position	F



**System - Miscellaneous**

Table position	646 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	H >> F
Coil Combine Mode	Adaptive Combine
Matrix Optimization	Off
Coil Focus	Flat
AutoAlign	---
Coil Select Mode	On - AutoCoilSelect

**System - Adjustments**

B0 Shim mode	Abdomen
Adjust with body coil	On
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

**System - Adjust Volume**

Position	L0.0 P0.0 F645.8 mm
Orientation	Transversal
Rotation	0.00 deg
A >> P	296 mm
R >> L	430 mm
F >> H	200 mm
Reset	Off

**System - Tx/Rx**

Frequency 1H	63.679852 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	3.000
Reset	Off
? Ref. amplitude 1H	0.000 V

**Physio - Signal1**

1st Signal/Mode	None
TR	6190 ms
Concatenations	1

**Physio - PACE**

Resp. control	Off
Concatenations	1

**Diff - Neuro**

Diffusion mode	4-Scan Trace
Diff. directions	4
Diffusion Scheme	Monopolar
Diff. weightings	2
b-value 1	50 s/mm <sup>2</sup>
b-value 2	800 s/mm <sup>2</sup>
b-value 1	1
b-value 2	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
FA maps	Off
Mosaic	Off
Tensor	Off
Noise level	15

**Diff - Body**

Diffusion mode	4-Scan Trace
Diff. directions	4
Diffusion Scheme	Monopolar
Diff. weightings	2
b-value 1	50 s/mm <sup>2</sup>
b-value 2	800 s/mm <sup>2</sup>
b-value 1	1
b-value 2	4
Diff. weighted images	Off
Trace weighted images	On
ADC maps	On
Exponential ADC Maps	Off
FA maps	Off
Invert Gray Scale	Off
Calculated Image	Off
b-Value >=	50 s/mm <sup>2</sup>
Noise level	15

**Diff - Composing**

Inline Composing	On
Composing Function	Diffusion
Normalize	Weak
Series Description	
Distortion Corr.	On
Mode	2D

**Sequence - Part 1**

Introduction	Off
Optimization	None
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	0.49 ms
Bandwidth	2870 Hz/Px

**Sequence - Part 2**

EPI factor	92
RF pulse type	Low SAR
Gradient mode	Fast