

**SIEMENS MAGNETOM Verio syngo MR D13**

\\USER\Brain\HARP\_Verio\_VD13A\HARP\_20190617\\*AAHead\_Scout  
 TA:0:14 PAT:3 Voxel size:1.6×1.6×1.6 mm Rel. SNR:1.00 :fl

**Properties**

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	On
Auto open inline display	Off
Wait for user to start	Off
Start measurements	single

**Routine**

Nr. of slab groups	1
Slabs	1
Dist. factor	20 %
Position	Isocenter
Orientation	Sagittal
Phase enc. dir.	A >> P
Phase oversampling	0 %
Slice oversampling	0.0 %
FoV read	260 mm
FoV phase	100.0 %
Slice thickness	1.6 mm
TR	3.15 ms
TE	1.37 ms
Averages	1
Concatenations	1
Filter	Prescan Normalize
Coil elements	HEA;HEP
AutoAlign	Head

**Contrast**

Flip angle	8 deg
Averaging mode	Short term
Measurements	1
Reconstruction	Magnitude

## Resolution

Base resolution	160
Phase resolution	100 %
Phase partial Fourier	6/8
PAT mode	GRAPPA
Accel. factor PE	3
Ref. lines PE	24
Reference scan mode	Integrated
Image Filter	Off
Distortion Corr.	Off
Accel. factor 3D	1
Matrix Coil Mode	Auto (Triple)
Unfiltered images	Off
Prescan Normalize	On
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	Off
Slice resolution	69 %
Slice partial Fourier	6/8

## Geometry

Nr. of slab groups	1
Slabs	1
Dist. factor	20 %
Position	Isocenter
Phase enc. dir.	A >> P
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	128
Multi-slice mode	Sequential
Series	Ascending
Nr. of sat. regions	0
Position mode	L-P-H
Special sat.	None
Table position	P

## System

Body	Off
NE2	Off
NE1	Off
HEP	On
HEA	On
SP4	Off
SP2	Off
SP8	Off
SP6	Off
SP3	Off
SP1	Off
SP7	Off
SP5	Off
Position mode	L-P-H
Positioning mode	REF
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
Coil Select Mode	Default
Shim mode	Tune up
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	0.00 deg
R >> L	350 mm
A >> P	263 mm
F >> H	350 mm
Frequency 1H	123.183345 MHz
Correction factor	1
SRFExcit 1H	88.444 V
Gain	Low
Table position	0 mm

Matrix Coil Mode	Auto (Triple)
Img. Scale. Cor.	1.000

**Physio**

Distortion correction	Off
-----------------------	-----

**Sequence**

Introduction	On
Dimension	3D
Averaging mode	Short term
Multi-slice mode	Sequential
Asymmetric echo	Weak
Contrasts	1
Bandwidth	540 Hz/Px
RF pulse type	Fast
Gradient mode	Normal
Excitation	Non-sel.
RF spoiling	On
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms
Mode	Off

**BOLD**

Time to center	6.2 s
Subtract	Off
StdDev	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On
Distortion Corr.	Off
MapIt	None
Contrasts	1
Save original images	On

**SIEMENS MAGNETOM Verio syngo MR D13**

\\USER\Brain\HARP\_Verio\_VD13A\HARP\_20190617\\*AC-PC\_setup  
 TA:6.0 s PAT:Off Voxel size:2.4×2.4×2.4 mm Rel. SNR:1.00 :epse

## Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Wait for user to start	Off
Start measurements	single

## Routine

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	Head > Brain
Phase oversampling	0 %
FoV read	206 mm
FoV phase	100.0 %
Slice thickness	2.40 mm
TR	6000 ms
TE	58.00 ms
Multi-band accel. factor	1
Filter	None
Coil elements	HEA;HEP

## Contrast

MTC	Off
Magn. preparation	None
Flip angle	90 deg
Fat suppr.	Fat sat.
Grad. rev. fat suppr.	Disabled
Averaging mode	Long term
Measurements	1
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

## Resolution

Base resolution	86
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	None
Distortion Corr.	Off
Hamming	Off
Matrix Coil Mode	Auto (Triple)
Prescan Normalize	Off
Raw filter	Off
Elliptical filter	Off

## Geometry

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Phase enc. dir.	A >> P
Phase oversampling	0 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	Fat sat.
Special sat.	None
Grad. rev. fat suppr.	Disabled
Special sat.	None
Table position	P

## System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
AutoAlign	Head > Brain
Coil Select Mode	Off - All
Shim mode	Advanced
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	0.00 deg
R >> L	206 mm
A >> P	206 mm
F >> H	144 mm
Frequency 1H	123.183345 MHz
Correction factor	1
AddCSaCSatNS 1H	147.167 V
Gain	High
Table position	0 mm
Matrix Coil Mode	Auto (Triple)
Img. Scale. Cor.	1.000

## Physio

1st Signal/Mode	None
Magn. preparation	None

## Inline

Distortion correction	Off
-----------------------	-----

## Sequence

Introduction	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Contrasts	1
Bandwidth	2076 Hz/Px
Free echo spacing	On
Echo spacing	0.57 ms
EPI factor	86
RF pulse type	Normal
Gradient mode	Fast
Physio recording	Off
Triggering scheme	Standard
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms

## BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Ignore meas. at start	0
Ignore after transition	0
Model transition states	On
Temp. highpass filter	On
Threshold	4.00
Paradigm size	15
Motion correction	Off
Spatial filter	Off
Delay in TR	0 ms
Distortion Corr.	Off
Contrasts	1

**SIEMENS MAGNETOM Verio syngo MR D13**

\\USER\Brain\HARP\_Verio\_VD13A\HARP\_20190617\\*SEField1\_AP  
 TA:6.1 s PAT:Off Voxel size:2.4×2.4×2.4 mm Rel. SNR:1.00 :epse



## Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	Off
Auto open inline display	Off
Wait for user to start	Off
Start measurements	single

## Routine

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	Head > Brain
Phase oversampling	0 %
FoV read	206 mm
FoV phase	100.0 %
Slice thickness	2.40 mm
TR	6100 ms
TE	60.00 ms
Multi-band accel. factor	1
Filter	Prescan Normalize
Coil elements	HEA;HEP

## Contrast

MTC	Off
Magn. preparation	None
Flip angle	90 deg
Fat suppr.	Fat sat.
Grad. rev. fat suppr.	Disabled
Averaging mode	Long term
Measurements	1
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

## Resolution

Base resolution	86
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	None
Distortion Corr.	Off
Hamming	Off
Matrix Coil Mode	Auto (Triple)
Unfiltered images	Off
Prescan Normalize	On
Raw filter	Off
Elliptical filter	Off

## Geometry

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Phase enc. dir.	A >> P
Phase oversampling	0 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	Fat sat.
Special sat.	None
Grad. rev. fat suppr.	Disabled
Special sat.	None
Table position	P

## System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
AutoAlign	Head > Brain
Coil Select Mode	Off - All
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	0.00 deg
R >> L	206 mm
A >> P	206 mm
F >> H	144 mm
Frequency 1H	123.183345 MHz
Correction factor	1
AddCSaCSatNS 1H	147.167 V
Gain	High
Table position	0 mm
Matrix Coil Mode	Auto (Triple)
Img. Scale. Cor.	1.000

## Physio

1st Signal/Mode	None
Magn. preparation	None

## Inline

Distortion correction	Off
-----------------------	-----

## Sequence

Introduction	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Contrasts	1
Bandwidth	2154 Hz/Px
Free echo spacing	On
Echo spacing	0.63 ms
EPI factor	86
RF pulse type	Normal
Gradient mode	Fast
Physio recording	Off
Triggering scheme	Standard
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms

## BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Ignore meas. at start	0
Ignore after transition	0
Model transition states	On
Temp. highpass filter	On
Threshold	4.00
Paradigm size	3
Motion correction	Off
Spatial filter	Off
Delay in TR	0 ms
Distortion Corr.	Off
Contrasts	1

**SIEMENS MAGNETOM Verio syngo MR D13**

\\USER\Brain\HARP\_Verio\_VD13A\HARP\_20190617\\*BOLD\_REST1\_AP  
 TA:5:08 PAT:Off Voxel size:2.4×2.4×2.4 mm Rel. SNR:1.00 :epfid

## Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	On
Wait for user to start	Off
Start measurements	single

## Routine

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	Head > Brain
Phase oversampling	0 %
FoV read	206 mm
FoV phase	100.0 %
Slice thickness	2.40 mm
TR	800 ms
TE	34.40 ms
Multi-band accel. factor	6
Filter	Prescan Normalize
Coil elements	HEA;HEP

## Contrast

MTC	Off
Magn. preparation	None
Flip angle	52 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Measurements	375
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

## Resolution

Base resolution	86
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	None
Distortion Corr.	Off
Hamming	Off
Matrix Coil Mode	Auto (Triple)
Prescan Normalize	On
Raw filter	Off
Elliptical filter	Off

## Geometry

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Phase enc. dir.	A >> P
Phase oversampling	0 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	Fat sat.
Special sat.	None
Special sat.	None
Table position	P

## System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
AutoAlign	Head > Brain
Coil Select Mode	Off - All
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	0.00 deg
R >> L	206 mm
A >> P	206 mm
F >> H	144 mm
Frequency 1H	123.183345 MHz
Correction factor	1
MBExc 1H	814.823 V
Gain	High
Table position	0 mm
Matrix Coil Mode	Auto (Triple)
Img. Scale. Cor.	1.000

## Physio

1st Signal/Mode	None
Magn. preparation	None

## Inline

Distortion correction	Off
-----------------------	-----

## Sequence

Introduction	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Contrasts	1
Bandwidth	2076 Hz/Px
Flow comp.	No
Free echo spacing	Off
Echo spacing	0.63 ms
EPI factor	86
Gradient mode	Fast
RF spoiling	Off
Online multi-band recon.	Online
Physio recording	Off
Triggering scheme	Standard
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms

## BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Ignore meas. at start	0
Ignore after transition	0
Model transition states	On
Temp. highpass filter	On
Threshold	4.00
Paradigm size	3
Motion correction	Off
Spatial filter	Off
Delay in TR	0 ms
Distortion Corr.	Off
Contrasts	1

**SIEMENS MAGNETOM Verio syngo MR D13**

\\USER\Brain\HARP\_Verio\_VD13A\HARP\_20190617\\*SEField1\_PA  
 TA:6.1 s PAT:Off Voxel size:2.4×2.4×2.4 mm Rel. SNR:1.00 :epse



## Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	Off
Auto open inline display	Off
Wait for user to start	Off
Start measurements	single

## Routine

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	Head > Brain
Phase oversampling	0 %
FoV read	206 mm
FoV phase	100.0 %
Slice thickness	2.40 mm
TR	6100 ms
TE	60.00 ms
Multi-band accel. factor	1
Filter	Prescan Normalize
Coil elements	HEA;HEP

## Contrast

MTC	Off
Magn. preparation	None
Flip angle	90 deg
Fat suppr.	Fat sat.
Grad. rev. fat suppr.	Disabled
Averaging mode	Long term
Measurements	1
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

## Resolution

Base resolution	86
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	None
Distortion Corr.	Off
Hamming	Off
Matrix Coil Mode	Auto (Triple)
Unfiltered images	Off
Prescan Normalize	On
Raw filter	Off
Elliptical filter	Off

## Geometry

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Phase enc. dir.	A >> P
Phase oversampling	0 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	Fat sat.
Special sat.	None
Grad. rev. fat suppr.	Disabled
Special sat.	None
Table position	P

## System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
AutoAlign	Head > Brain
Coil Select Mode	Off - All
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	0.00 deg
R >> L	206 mm
A >> P	206 mm
F >> H	144 mm
Frequency 1H	123.183345 MHz
Correction factor	1
AddCSaCSatNS 1H	147.167 V
Gain	High
Table position	0 mm
Matrix Coil Mode	Auto (Triple)
Img. Scale. Cor.	1.000

## Physio

1st Signal/Mode	None
Magn. preparation	None

## Inline

Distortion correction	Off
-----------------------	-----

## Sequence

Introduction	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Contrasts	1
Bandwidth	2154 Hz/Px
Free echo spacing	On
Echo spacing	0.63 ms
EPI factor	86
RF pulse type	Normal
Gradient mode	Fast
Physio recording	Off
Triggering scheme	Standard
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms

## BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Ignore meas. at start	0
Ignore after transition	0
Model transition states	On
Temp. highpass filter	On
Threshold	4.00
Paradigm size	3
Motion correction	Off
Spatial filter	Off
Delay in TR	0 ms
Distortion Corr.	Off
Contrasts	1

**SIEMENS MAGNETOM Verio syngo MR D13**

\\USER\Brain\HARP\_Verio\_VD13A\HARP\_20190617\\*BOLD\_REST1\_PA  
 TA:5:08 PAT:Off Voxel size:2.4×2.4×2.4 mm Rel. SNR:1.00 :epfid

## Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	On
Wait for user to start	Off
Start measurements	single

## Routine

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	Head > Brain
Phase oversampling	0 %
FoV read	206 mm
FoV phase	100.0 %
Slice thickness	2.40 mm
TR	800 ms
TE	34.40 ms
Multi-band accel. factor	6
Filter	Prescan Normalize
Coil elements	HEA;HEP

## Contrast

MTC	Off
Magn. preparation	None
Flip angle	52 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Measurements	375
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

## Resolution

Base resolution	86
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	None
Distortion Corr.	Off
Hamming	Off
Matrix Coil Mode	Auto (Triple)
Prescan Normalize	On
Raw filter	Off
Elliptical filter	Off

## Geometry

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Phase enc. dir.	A >> P
Phase oversampling	0 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	Fat sat.
Special sat.	None
Special sat.	None
Table position	P

## System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
AutoAlign	Head > Brain
Coil Select Mode	Off - All
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	0.00 deg
R >> L	206 mm
A >> P	206 mm
F >> H	144 mm
Frequency 1H	123.183345 MHz
Correction factor	1
MBExc 1H	814.823 V
Gain	High
Table position	0 mm
Matrix Coil Mode	Auto (Triple)
Img. Scale. Cor.	1.000

## Physio

1st Signal/Mode	None
Magn. preparation	None

## Inline

Distortion correction	Off
-----------------------	-----

## Sequence

Introduction	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Contrasts	1
Bandwidth	2076 Hz/Px
Flow comp.	No
Free echo spacing	Off
Echo spacing	0.63 ms
EPI factor	86
Gradient mode	Fast
RF spoiling	Off
Online multi-band recon.	Online
Physio recording	Off
Triggering scheme	Standard
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms

## BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Ignore meas. at start	0
Ignore after transition	0
Model transition states	On
Temp. highpass filter	On
Threshold	4.00
Paradigm size	3
Motion correction	Off
Spatial filter	Off
Delay in TR	0 ms
Distortion Corr.	Off
Contrasts	1

**SIEMENS MAGNETOM Verio syngo MR D13**

\\USER\Brain\HARP\_Verio\_VD13A\HARP\_20190617\\*T1\_MPR  
 TA:5:22 PAT:2 Voxel size:0.8x0.8x0.8 mm Rel. SNR:1.00 :tfl



## Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	Off
Auto open inline display	Off
Wait for user to start	Off
Start measurements	single

## Routine

Nr. of slab groups	1
Slabs	1
Dist. factor	50 %
Position	Isocenter
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	Head > Brain
Phase oversampling	0 %
Slice oversampling	7.1 %
FoV read	256 mm
FoV phase	93.8 %
Slice thickness	0.80 mm
TR	2500.0 ms
TE	2.18 ms
Averages	1
Concatenations	1
Filter	Prescan Normalize
Coil elements	HEA;HEP

## Contrast

Magn. preparation	Non-sel. IR
TI	1000 ms
Flip angle	8 deg
Fat suppr.	Water excit. fast
Water suppr.	None
Averaging mode	Long term
Measurements	1
Reconstruction	Magnitude
Multiple series	Each measurement

## Resolution

Base resolution	320
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32
Reference scan mode	Integrated
Image Filter	Off
Distortion Corr.	Off
Accel. factor 3D	1
Matrix Coil Mode	Auto (Triple)
Unfiltered images	Off
Prescan Normalize	On
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	Off
Slice resolution	100 %
Slice partial Fourier	Off

## Geometry

Nr. of slab groups	1
Slabs	1
Dist. factor	50 %
Position	Isocenter
Phase enc. dir.	A >> P
Phase oversampling	0 %
Slice oversampling	7.1 %
Slices per slab	224
Multi-slice mode	Single shot
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	Water excit. fast
Water suppr.	None
Special sat.	None
Table position	P

## System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	REF
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
AutoAlign	Head > Brain
Coil Select Mode	Off - All
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	10.80 deg
F >> H	256 mm
A >> P	240 mm
R >> L	180 mm
Frequency 1H	123.183345 MHz
Correction factor	1
ExcitWEns 0 1H	132.667 V
Gain	Low
Table position	0 mm
Matrix Coil Mode	Auto (Triple)
Img. Scale. Cor.	1.000

## Physio

1st Signal/Mode	None
Magn. preparation	Non-sel. IR
TI	1000 ms
Dark blood	Off
Resp. control	Off

**Inline**

Distortion correction	Off
-----------------------	-----

**Sequence**

Introduction	On
Dimension	3D
Elliptical scanning	Off
Averaging mode	Long term
Multi-slice mode	Single shot
Reordering	Linear
Asymmetric echo	Allowed
Bandwidth	220 Hz/Px
Flow comp.	No
Echo spacing	7.9 ms
Turbo factor	240
RF pulse type	Fast
Gradient mode	Fast
Excitation	Non-sel.
RF spoiling	On
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms
Mode	Off

**BOLD**

Subtract	Off
StdDev	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On
Distortion Corr.	Off
MapIt	None
Save original images	On

**SIEMENS MAGNETOM Verio syngo MR D13**

\\USER\Brain\HARP_Verio_VD13A\HARP_20190617\*T2_SPC TA:5:22 PAT:2 Voxel size:0.8×0.8×0.8 mm Rel. SNR:1.00 :spc
---

## Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	Off
Auto open inline display	Off
Wait for user to start	Off
Start measurements	single

## Routine

Nr. of slab groups	1
Slabs	1
Position	Isocenter
Orientation	Sagittal
Phase enc. dir.	A >> P
AutoAlign	Head > Brain
Phase oversampling	0 %
Slice oversampling	7.1 %
FoV read	256 mm
FoV phase	93.8 %
Slice thickness	0.80 mm
TR	3200 ms
TE	565.0 ms
Concatenations	1
Filter	Prescan Normalize, Image Filter
Coil elements	HEA;HEP

## Contrast

MTC	Off
Magn. preparation	None
Fat suppr.	None
Restore magn.	Off
Measurements	1
Reconstruction	Magnitude
Multiple series	Each measurement

## Resolution

Base resolution	320
Phase resolution	100 %
Phase partial Fourier	Allowed
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	32
Reference scan mode	Integrated
Image Filter	On
Intensity	Sharp
Edge Enhancement	3
Smoothing	3
Unfiltered images	Off
Distortion Corr.	Off
Accel. factor 3D	1
Matrix Coil Mode	Auto (Triple)
Unfiltered images	Off
Prescan Normalize	On
Normalize	Off
B1 filter	Off
Raw filter	Off
Elliptical filter	Off
Slice resolution	100 %
Slice partial Fourier	Off

## Geometry

Nr. of slab groups	1
Slabs	1
Position	Isocenter
Phase enc. dir.	A >> P
Phase oversampling	0 %
Slice oversampling	7.1 %
Slices per slab	224
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	None
Special sat.	None
Special sat.	None
Table position	P
Restore magn.	Off

## System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Save uncombined	Off
Coil Combine Mode	Adaptive Combine
AutoAlign	Head > Brain
Coil Select Mode	Off - All
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	10.80 deg
F >> H	256 mm
A >> P	240 mm
R >> L	180 mm
Frequency 1H	123.183345 MHz
Correction factor	1
SRFExcit 1H	746.250 V
Gain	High
Table position	0 mm
Matrix Coil Mode	Auto (Triple)
Img. Scale. Cor.	1.000

## Physio

1st Signal/Mode	None
Trigger delay	0 ms
Magn. preparation	None
Dark blood	Off
Resp. control	Off

**Inline**

Distortion correction	Off
-----------------------	-----

**Sequence**

Introduction	On
Dimension	3D
Elliptical scanning	On
Reordering	Linear
Bandwidth	679 Hz/Px
Flow comp.	No
Allowed delay	0 s
Echo spacing	3.72 ms
Adiabatic-mode	Off
Turbo factor	326
Echo train duration	1168
RF pulse type	Fast
Gradient mode	Fast
Excitation	Non-sel.
Flip angle mode	T2 var
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms
Organ under exam.	Standard
Tissue T1	940 ms
Tissue T2	100 ms

**BOLD**

Subtract	Off
StdDev	Off
MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On
Distortion Corr.	Off
Save original images	On

**SIEMENS MAGNETOM Verio syngo MR D13**

\\USER\Brain\HARP_Verio_VD13A\HARP_20190617*ASL_ADNI
--

TA:2:45 Voxel size:3.0x3.0x4.0 mm Rel. SNR:1.00 :tgse
---



## Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Wait for user to start	Off
Start measurements	single

## Routine

Nr. of slab groups	1
Slabs	1
Dist. factor	50 %
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	Head > Brain
Phase oversampling	10 %
Slice oversampling	20.0 %
FoV read	192 mm
FoV phase	100.0 %
Slice thickness	4.00 mm
TR	5000 ms
TE	16.0 ms
Averages	1
Concatenations	1
Filter	Prescan Normalize
Coil elements	HEA;HEP

## Contrast

Flip angle	180 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Measurements	1
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off
Perfusion mode	FAIR QII
Bolus Duration	800 ms
Inversion Array Size	1
Averaging mode	CONSTANT
Suppression Mode	GRAY-WHITE

## Resolution

Base resolution	64
Phase resolution	98 %
Phase partial Fourier	Off
Interpolation	Off
Distortion Corr.	Off
Hamming	Off
Matrix Coil Mode	Auto (Triple)
Prescan Normalize	On
Raw filter	Off
Elliptical filter	Off
Slice partial Fourier	Off

## Geometry

Nr. of slab groups	1
Slabs	1
Dist. factor	50 %
Position	Isocenter
Phase enc. dir.	A >> P
Phase oversampling	10 %
Slice oversampling	20.0 %
Slices per slab	40
Multi-slice mode	Interleaved
Series	Ascending
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	Fat sat.
Special sat.	None
Special sat.	None
Table position	P

## System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
AutoAlign	Head > Brain
Coil Select Mode	Off - AutoCoilSelect
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	0.00 deg
R >> L	192 mm
A >> P	192 mm
F >> H	160 mm
Frequency 1H	123.183345 MHz
Correction factor	1
ExtRefocRF 1H	980.008 V
Gain	Low
Table position	0 mm
Matrix Coil Mode	Auto (Triple)
Img. Scale. Cor.	1.000

## Physio

1st Signal/Mode	None
Segments	16

## Inline

Distortion correction	Off
-----------------------	-----

**Sequence**

Introduction	Off
Dimension	3D
Averaging mode	Long term
Multi-slice mode	Interleaved
Reordering	Centric
Bandwidth	2604 Hz/Px
Echo spacing	0.51 ms
Turbo factor	12
EPI factor	21
RF pulse type	Normal
Gradient mode	Fast
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms

**BOLD**

Delay in TR	0 ms
Distortion Corr.	Off

**SIEMENS MAGNETOM Verio syngo MR D13**

\\USER\Brain\HARP\_Verio\_VD13A\HARP\_20190617\\*DWI\_AP  
TA:4:50 PAT:2 Voxel size:1.7×1.7×1.7 mm Rel. SNR:1.00 :epse

**Properties**

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Wait for user to start	Off
Start measurements	single

## Routine

Nr. of slice groups	1
Slices	84
Dist. factor	0 %
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	Head > Brain
Phase oversampling	0 %
FoV read	204 mm
FoV phase	100.0 %
Slice thickness	1.70 mm
TR	3600 ms
TE	89.00 ms
Multi-band accel. factor	3
Filter	Prescan Normalize
Coil elements	HEA;HEP

## Contrast

MTC	Off
Magn. preparation	None
Flip angle	90 deg
Fat suppr.	None
Grad. rev. fat suppr.	Enabled
Averaging mode	Long term
Measurements	1
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

## Resolution

Base resolution	120
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	36
Reference scan mode	GRE
Distortion Corr.	Off
Matrix Coil Mode	Auto (Triple)
Prescan Normalize	On
Raw filter	Off
Elliptical filter	Off
Dynamic Field Corr.	Off

## Geometry

Nr. of slice groups	1
Slices	84
Dist. factor	0 %
Position	Isocenter
Phase enc. dir.	A >> P
Phase oversampling	0 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	None
Special sat.	None
Grad. rev. fat suppr.	Enabled
Special sat.	None
Table position	P

## System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
AutoAlign	Head > Brain
Coil Select Mode	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	0.00 deg
R >> L	204 mm
A >> P	204 mm
F >> H	143 mm
Frequency 1H	123.183345 MHz
Correction factor	1
ExtExciteRF 1H	222.068 V
Gain	High
Table position	0 mm
Matrix Coil Mode	Auto (Triple)
Img. Scale. Cor.	1.000

## Physio

1st Signal/Mode	None
Magn. preparation	None
Resp. control	Off

## Inline

Distortion correction	Off
-----------------------	-----

**Sequence**

Introduction	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Bandwidth	1436 Hz/Px
Free echo spacing	Off
Echo spacing	0.78 ms
EPI factor	120
Gradient mode	Fast
RF spoiling	Off
Online multi-band recon.	Online
Physio recording	Off
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms

**BOLD**

Delay in TR	0 ms
Diffusion mode	Free
Diff. weightings	2
b-value 1	0 s/mm <sup>2</sup>
Diff. weighted images	On
Trace weighted images	Off
ADC maps	Off
FA maps	Off
Mosaic	On
Tensor	Off
Distortion Corr.	Off
b-Value >=	0 s/mm <sup>2</sup>
Exponential ADC Maps	Off
Invert Gray Scale	Off
Calculated Image	Off

**SIEMENS MAGNETOM Verio syngo MR D13**

\\USER\Brain\HARP\_Verio\_VD13A\HARP\_20190617\*DWI\_PA  
TA:4:54 PAT:2 Voxel size:1.7×1.7×1.7 mm Rel. SNR:1.00 :epse



## Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Wait for user to start	Off
Start measurements	single

## Routine

Nr. of slice groups	1
Slices	84
Dist. factor	0 %
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	Head > Brain
Phase oversampling	0 %
FoV read	204 mm
FoV phase	100.0 %
Slice thickness	1.70 mm
TR	3600 ms
TE	89.00 ms
Multi-band accel. factor	3
Filter	Prescan Normalize
Coil elements	HEA;HEP

## Contrast

MTC	Off
Magn. preparation	None
Flip angle	90 deg
Fat suppr.	None
Grad. rev. fat suppr.	Enabled
Averaging mode	Long term
Measurements	1
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

## Resolution

Base resolution	120
Phase resolution	100 %
Phase partial Fourier	6/8
Interpolation	Off
PAT mode	GRAPPA
Accel. factor PE	2
Ref. lines PE	36
Reference scan mode	GRE
Distortion Corr.	Off
Matrix Coil Mode	Auto (Triple)
Prescan Normalize	On
Raw filter	Off
Elliptical filter	Off
Dynamic Field Corr.	Off

## Geometry

Nr. of slice groups	1
Slices	84
Dist. factor	0 %
Position	Isocenter
Phase enc. dir.	A >> P
Phase oversampling	0 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	None
Special sat.	None
Grad. rev. fat suppr.	Enabled
Special sat.	None
Table position	P

## System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
AutoAlign	Head > Brain
Coil Select Mode	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	0.00 deg
R >> L	204 mm
A >> P	204 mm
F >> H	143 mm
Frequency 1H	123.183345 MHz
Correction factor	1
ExtExciteRF 1H	222.068 V
Gain	High
Table position	0 mm
Matrix Coil Mode	Auto (Triple)
Img. Scale. Cor.	1.000

## Physio

1st Signal/Mode	None
Magn. preparation	None
Resp. control	Off

## Inline

Distortion correction	Off
-----------------------	-----

**Sequence**

Introduction	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Bandwidth	1436 Hz/Px
Free echo spacing	Off
Echo spacing	0.78 ms
EPI factor	120
Gradient mode	Fast
RF spoiling	Off
Online multi-band recon.	Online
Physio recording	Off
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms

**BOLD**

Delay in TR	0 ms
Diffusion mode	Free
Diff. weightings	2
b-value 1	0 s/mm <sup>2</sup>
Diff. weighted images	On
Trace weighted images	Off
ADC maps	Off
FA maps	Off
Mosaic	On
Tensor	Off
Distortion Corr.	Off
b-Value >=	0 s/mm <sup>2</sup>
Exponential ADC Maps	Off
Invert Gray Scale	Off
Calculated Image	Off

**SIEMENS MAGNETOM Verio syngo MR D13**

\\USER\Brain\HARP\_Verio\_VD13A\HARP\_20190617\\*SEField2\_AP  
 TA:6.1 s PAT:Off Voxel size:2.4×2.4×2.4 mm Rel. SNR:1.00 :epse

## Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	Off
Auto open inline display	Off
Wait for user to start	Off
Start measurements	single

## Routine

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	Head > Brain
Phase oversampling	0 %
FoV read	206 mm
FoV phase	100.0 %
Slice thickness	2.40 mm
TR	6100 ms
TE	60.00 ms
Multi-band accel. factor	1
Filter	Prescan Normalize
Coil elements	HEA;HEP

## Contrast

MTC	Off
Magn. preparation	None
Flip angle	90 deg
Fat suppr.	Fat sat.
Grad. rev. fat suppr.	Disabled
Averaging mode	Long term
Measurements	1
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

## Resolution

Base resolution	86
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	None
Distortion Corr.	Off
Hamming	Off
Matrix Coil Mode	Auto (Triple)
Unfiltered images	Off
Prescan Normalize	On
Raw filter	Off
Elliptical filter	Off

## Geometry

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Phase enc. dir.	A >> P
Phase oversampling	0 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	Fat sat.
Special sat.	None
Grad. rev. fat suppr.	Disabled
Special sat.	None
Table position	P

## System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
AutoAlign	Head > Brain
Coil Select Mode	Off - All
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	0.00 deg
R >> L	206 mm
A >> P	206 mm
F >> H	144 mm
Frequency 1H	123.183345 MHz
Correction factor	1
AddCSaCSatNS 1H	147.167 V
Gain	High
Table position	0 mm
Matrix Coil Mode	Auto (Triple)
Img. Scale. Cor.	1.000

## Physio

1st Signal/Mode	None
Magn. preparation	None

## Inline

Distortion correction	Off
-----------------------	-----

## Sequence

Introduction	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Contrasts	1
Bandwidth	2154 Hz/Px
Free echo spacing	On
Echo spacing	0.63 ms
EPI factor	86
RF pulse type	Normal
Gradient mode	Fast
Physio recording	Off
Triggering scheme	Standard
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms

## BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Ignore meas. at start	0
Ignore after transition	0
Model transition states	On
Temp. highpass filter	On
Threshold	4.00
Paradigm size	3
Motion correction	Off
Spatial filter	Off
Delay in TR	0 ms
Distortion Corr.	Off
Contrasts	1

**SIEMENS MAGNETOM Verio syngo MR D13**

\\USER\Brain\HARP\_Verio\_VD13A\HARP\_20190617\\*BOLD\_REST2\_AP  
 TA:5:08 PAT:Off Voxel size:2.4×2.4×2.4 mm Rel. SNR:1.00 :epfid



## Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	On
Wait for user to start	Off
Start measurements	single

## Routine

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	Head > Brain
Phase oversampling	0 %
FoV read	206 mm
FoV phase	100.0 %
Slice thickness	2.40 mm
TR	800 ms
TE	34.40 ms
Multi-band accel. factor	6
Filter	Prescan Normalize
Coil elements	HEA;HEP

## Contrast

MTC	Off
Magn. preparation	None
Flip angle	52 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Measurements	375
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

**Resolution**

Base resolution	86
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	None
Distortion Corr.	Off
Hamming	Off
Matrix Coil Mode	Auto (Triple)
Prescan Normalize	On
Raw filter	Off
Elliptical filter	Off

**Geometry**

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Phase enc. dir.	A >> P
Phase oversampling	0 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	Fat sat.
Special sat.	None
Special sat.	None
Table position	P

## System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
AutoAlign	Head > Brain
Coil Select Mode	Off - All
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	0.00 deg
R >> L	206 mm
A >> P	206 mm
F >> H	144 mm
Frequency 1H	123.183345 MHz
Correction factor	1
MBExc 1H	814.823 V
Gain	High
Table position	0 mm
Matrix Coil Mode	Auto (Triple)
Img. Scale. Cor.	1.000

## Physio

1st Signal/Mode	None
Magn. preparation	None

## Inline

Distortion correction	Off
-----------------------	-----

## Sequence

Introduction	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Contrasts	1
Bandwidth	2076 Hz/Px
Flow comp.	No
Free echo spacing	Off
Echo spacing	0.63 ms
EPI factor	86
Gradient mode	Fast
RF spoiling	Off
Online multi-band recon.	Online
Physio recording	Off
Triggering scheme	Standard
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms

## BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Ignore meas. at start	0
Ignore after transition	0
Model transition states	On
Temp. highpass filter	On
Threshold	4.00
Paradigm size	3
Motion correction	Off
Spatial filter	Off
Delay in TR	0 ms
Distortion Corr.	Off
Contrasts	1

**SIEMENS MAGNETOM Verio syngo MR D13**

\\USER\Brain\HARP\_Verio\_VD13A\HARP\_20190617\\*SEField2\_PA  
 TA:6.1 s PAT:Off Voxel size:2.4×2.4×2.4 mm Rel. SNR:1.00 :epse

## Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	Off
Auto open inline display	Off
Wait for user to start	Off
Start measurements	single

## Routine

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	Head > Brain
Phase oversampling	0 %
FoV read	206 mm
FoV phase	100.0 %
Slice thickness	2.40 mm
TR	6100 ms
TE	60.00 ms
Multi-band accel. factor	1
Filter	Prescan Normalize
Coil elements	HEA;HEP

## Contrast

MTC	Off
Magn. preparation	None
Flip angle	90 deg
Fat suppr.	Fat sat.
Grad. rev. fat suppr.	Disabled
Averaging mode	Long term
Measurements	1
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

## Resolution

Base resolution	86
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	None
Distortion Corr.	Off
Hamming	Off
Matrix Coil Mode	Auto (Triple)
Unfiltered images	Off
Prescan Normalize	On
Raw filter	Off
Elliptical filter	Off

## Geometry

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Phase enc. dir.	A >> P
Phase oversampling	0 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	Fat sat.
Special sat.	None
Grad. rev. fat suppr.	Disabled
Special sat.	None
Table position	P

## System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
AutoAlign	Head > Brain
Coil Select Mode	Off - All
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	0.00 deg
R >> L	206 mm
A >> P	206 mm
F >> H	144 mm
Frequency 1H	123.183345 MHz
Correction factor	1
AddCSaCSatNS 1H	147.167 V
Gain	High
Table position	0 mm
Matrix Coil Mode	Auto (Triple)
Img. Scale. Cor.	1.000

## Physio

1st Signal/Mode	None
Magn. preparation	None

## Inline

Distortion correction	Off
-----------------------	-----

## Sequence

Introduction	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Contrasts	1
Bandwidth	2154 Hz/Px
Free echo spacing	On
Echo spacing	0.63 ms
EPI factor	86
RF pulse type	Normal
Gradient mode	Fast
Physio recording	Off
Triggering scheme	Standard
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms

## BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Ignore meas. at start	0
Ignore after transition	0
Model transition states	On
Temp. highpass filter	On
Threshold	4.00
Paradigm size	3
Motion correction	Off
Spatial filter	Off
Delay in TR	0 ms
Distortion Corr.	Off
Contrasts	1

**SIEMENS MAGNETOM Verio syngo MR D13**

\\USER\Brain\HARP\_Verio\_VD13A\HARP\_20190617\\*BOLD\_REST2\_PA  
 TA:5:08 PAT:Off Voxel size:2.4×2.4×2.4 mm Rel. SNR:1.00 :epfid



## Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	On
Wait for user to start	Off
Start measurements	single

## Routine

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	Head > Brain
Phase oversampling	0 %
FoV read	206 mm
FoV phase	100.0 %
Slice thickness	2.40 mm
TR	800 ms
TE	34.40 ms
Multi-band accel. factor	6
Filter	Prescan Normalize
Coil elements	HEA;HEP

## Contrast

MTC	Off
Magn. preparation	None
Flip angle	52 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Measurements	375
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

## Resolution

Base resolution	86
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	None
Distortion Corr.	Off
Hamming	Off
Matrix Coil Mode	Auto (Triple)
Prescan Normalize	On
Raw filter	Off
Elliptical filter	Off

## Geometry

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Phase enc. dir.	A >> P
Phase oversampling	0 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	Fat sat.
Special sat.	None
Special sat.	None
Table position	P

## System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
AutoAlign	Head > Brain
Coil Select Mode	Off - All
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	0.00 deg
R >> L	206 mm
A >> P	206 mm
F >> H	144 mm
Frequency 1H	123.183345 MHz
Correction factor	1
MBExc 1H	814.823 V
Gain	High
Table position	0 mm
Matrix Coil Mode	Auto (Triple)
Img. Scale. Cor.	1.000

## Physio

1st Signal/Mode	None
Magn. preparation	None

## Inline

Distortion correction	Off
-----------------------	-----

## Sequence

Introduction	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Contrasts	1
Bandwidth	2076 Hz/Px
Flow comp.	No
Free echo spacing	Off
Echo spacing	0.63 ms
EPI factor	86
Gradient mode	Fast
RF spoiling	Off
Online multi-band recon.	Online
Physio recording	Off
Triggering scheme	Standard
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms

## BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Ignore meas. at start	0
Ignore after transition	0
Model transition states	On
Temp. highpass filter	On
Threshold	4.00
Paradigm size	3
Motion correction	Off
Spatial filter	Off
Delay in TR	0 ms
Distortion Corr.	Off
Contrasts	1

**SIEMENS MAGNETOM Verio syngo MR D13**

\\USER\Brain\HARP\_Verio\_VD13A\HARP\_20190617\\*SEField3\_AP  
 TA:6.1 s PAT:Off Voxel size:2.4×2.4×2.4 mm Rel. SNR:1.00 :epse

## Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	Off
Auto open inline display	Off
Wait for user to start	Off
Start measurements	single

## Routine

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	Head > Brain
Phase oversampling	0 %
FoV read	206 mm
FoV phase	100.0 %
Slice thickness	2.40 mm
TR	6100 ms
TE	60.00 ms
Multi-band accel. factor	1
Filter	Prescan Normalize
Coil elements	HEA;HEP

## Contrast

MTC	Off
Magn. preparation	None
Flip angle	90 deg
Fat suppr.	Fat sat.
Grad. rev. fat suppr.	Disabled
Averaging mode	Long term
Measurements	1
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

## Resolution

Base resolution	86
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	None
Distortion Corr.	Off
Hamming	Off
Matrix Coil Mode	Auto (Triple)
Unfiltered images	Off
Prescan Normalize	On
Raw filter	Off
Elliptical filter	Off

## Geometry

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Phase enc. dir.	A >> P
Phase oversampling	0 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	Fat sat.
Special sat.	None
Grad. rev. fat suppr.	Disabled
Special sat.	None
Table position	P

## System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
AutoAlign	Head > Brain
Coil Select Mode	Off - All
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	0.00 deg
R >> L	206 mm
A >> P	206 mm
F >> H	144 mm
Frequency 1H	123.183345 MHz
Correction factor	1
AddCSaCSatNS 1H	147.167 V
Gain	High
Table position	0 mm
Matrix Coil Mode	Auto (Triple)
Img. Scale. Cor.	1.000

## Physio

1st Signal/Mode	None
Magn. preparation	None

## Inline

Distortion correction	Off
-----------------------	-----

## Sequence

Introduction	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Contrasts	1
Bandwidth	2154 Hz/Px
Free echo spacing	On
Echo spacing	0.63 ms
EPI factor	86
RF pulse type	Normal
Gradient mode	Fast
Physio recording	Off
Triggering scheme	Standard
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms

## BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Ignore meas. at start	0
Ignore after transition	0
Model transition states	On
Temp. highpass filter	On
Threshold	4.00
Paradigm size	3
Motion correction	Off
Spatial filter	Off
Delay in TR	0 ms
Distortion Corr.	Off
Contrasts	1

**SIEMENS MAGNETOM Verio syngo MR D13**

\\USER\Brain\HARP\_Verio\_VD13A\HARP\_20190617\\*BOLD\_REST3\_AP  
 TA:5:08 PAT:Off Voxel size:2.4×2.4×2.4 mm Rel. SNR:1.00 :epfid



## Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	On
Wait for user to start	Off
Start measurements	single

## Routine

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	Head > Brain
Phase oversampling	0 %
FoV read	206 mm
FoV phase	100.0 %
Slice thickness	2.40 mm
TR	800 ms
TE	34.40 ms
Multi-band accel. factor	6
Filter	Prescan Normalize
Coil elements	HEA;HEP

## Contrast

MTC	Off
Magn. preparation	None
Flip angle	52 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Measurements	375
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

## Resolution

Base resolution	86
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	None
Distortion Corr.	Off
Hamming	Off
Matrix Coil Mode	Auto (Triple)
Prescan Normalize	On
Raw filter	Off
Elliptical filter	Off

## Geometry

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Phase enc. dir.	A >> P
Phase oversampling	0 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	Fat sat.
Special sat.	None
Special sat.	None
Table position	P

## System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
AutoAlign	Head > Brain
Coil Select Mode	Off - All
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	0.00 deg
R >> L	206 mm
A >> P	206 mm
F >> H	144 mm
Frequency 1H	123.183345 MHz
Correction factor	1
MBExc 1H	814.823 V
Gain	High
Table position	0 mm
Matrix Coil Mode	Auto (Triple)
Img. Scale. Cor.	1.000

## Physio

1st Signal/Mode	None
Magn. preparation	None

## Inline

Distortion correction	Off
-----------------------	-----

## Sequence

Introduction	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Contrasts	1
Bandwidth	2076 Hz/Px
Flow comp.	No
Free echo spacing	Off
Echo spacing	0.63 ms
EPI factor	86
Gradient mode	Fast
RF spoiling	Off
Online multi-band recon.	Online
Physio recording	Off
Triggering scheme	Standard
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms

## BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Ignore meas. at start	0
Ignore after transition	0
Model transition states	On
Temp. highpass filter	On
Threshold	4.00
Paradigm size	3
Motion correction	Off
Spatial filter	Off
Delay in TR	0 ms
Distortion Corr.	Off
Contrasts	1

**SIEMENS MAGNETOM Verio syngo MR D13**

\\USER\Brain\HARP\_Verio\_VD13A\HARP\_20190617\\*SEField3\_PA  
 TA:6.1 s PAT:Off Voxel size:2.4×2.4×2.4 mm Rel. SNR:1.00 :epse

## Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	Off
Auto open inline display	Off
Wait for user to start	Off
Start measurements	single

## Routine

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	Head > Brain
Phase oversampling	0 %
FoV read	206 mm
FoV phase	100.0 %
Slice thickness	2.40 mm
TR	6100 ms
TE	60.00 ms
Multi-band accel. factor	1
Filter	Prescan Normalize
Coil elements	HEA;HEP

## Contrast

MTC	Off
Magn. preparation	None
Flip angle	90 deg
Fat suppr.	Fat sat.
Grad. rev. fat suppr.	Disabled
Averaging mode	Long term
Measurements	1
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

## Resolution

Base resolution	86
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	None
Distortion Corr.	Off
Hamming	Off
Matrix Coil Mode	Auto (Triple)
Unfiltered images	Off
Prescan Normalize	On
Raw filter	Off
Elliptical filter	Off

## Geometry

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Phase enc. dir.	A >> P
Phase oversampling	0 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	Fat sat.
Special sat.	None
Grad. rev. fat suppr.	Disabled
Special sat.	None
Table position	P

## System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
AutoAlign	Head > Brain
Coil Select Mode	Off - All
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	0.00 deg
R >> L	206 mm
A >> P	206 mm
F >> H	144 mm
Frequency 1H	123.183345 MHz
Correction factor	1
AddCSaCSatNS 1H	147.167 V
Gain	High
Table position	0 mm
Matrix Coil Mode	Auto (Triple)
Img. Scale. Cor.	1.000

## Physio

1st Signal/Mode	None
Magn. preparation	None

## Inline

Distortion correction	Off
-----------------------	-----

## Sequence

Introduction	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Contrasts	1
Bandwidth	2154 Hz/Px
Free echo spacing	On
Echo spacing	0.63 ms
EPI factor	86
RF pulse type	Normal
Gradient mode	Fast
Physio recording	Off
Triggering scheme	Standard
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms

## BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Ignore meas. at start	0
Ignore after transition	0
Model transition states	On
Temp. highpass filter	On
Threshold	4.00
Paradigm size	3
Motion correction	Off
Spatial filter	Off
Delay in TR	0 ms
Distortion Corr.	Off
Contrasts	1

**SIEMENS MAGNETOM Verio syngo MR D13**

\\USER\Brain\HARP\_Verio\_VD13A\HARP\_20190617\\*BOLD\_REST3\_PA  
TA:5:08 PAT:Off Voxel size:2.4×2.4×2.4 mm Rel. SNR:1.00 :epfid



## Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	On
Wait for user to start	Off
Start measurements	single

## Routine

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	Head > Brain
Phase oversampling	0 %
FoV read	206 mm
FoV phase	100.0 %
Slice thickness	2.40 mm
TR	800 ms
TE	34.40 ms
Multi-band accel. factor	6
Filter	Prescan Normalize
Coil elements	HEA;HEP

## Contrast

MTC	Off
Magn. preparation	None
Flip angle	52 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Measurements	375
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

## Resolution

Base resolution	86
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	None
Distortion Corr.	Off
Hamming	Off
Matrix Coil Mode	Auto (Triple)
Prescan Normalize	On
Raw filter	Off
Elliptical filter	Off

## Geometry

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Phase enc. dir.	A >> P
Phase oversampling	0 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	Fat sat.
Special sat.	None
Special sat.	None
Table position	P

## System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
AutoAlign	Head > Brain
Coil Select Mode	Off - All
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	0.00 deg
R >> L	206 mm
A >> P	206 mm
F >> H	144 mm
Frequency 1H	123.183345 MHz
Correction factor	1
MBExc 1H	814.823 V
Gain	High
Table position	0 mm
Matrix Coil Mode	Auto (Triple)
Img. Scale. Cor.	1.000

## Physio

1st Signal/Mode	None
Magn. preparation	None

## Inline

Distortion correction	Off
-----------------------	-----

## Sequence

Introduction	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Contrasts	1
Bandwidth	2076 Hz/Px
Flow comp.	No
Free echo spacing	Off
Echo spacing	0.63 ms
EPI factor	86
Gradient mode	Fast
RF spoiling	Off
Online multi-band recon.	Online
Physio recording	Off
Triggering scheme	Standard
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms

## BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Ignore meas. at start	0
Ignore after transition	0
Model transition states	On
Temp. highpass filter	On
Threshold	4.00
Paradigm size	3
Motion correction	Off
Spatial filter	Off
Delay in TR	0 ms
Distortion Corr.	Off
Contrasts	1

**SIEMENS MAGNETOM Verio syngo MR D13**

\\USER\Brain\HARP\_Verio\_VD13A\HARP\_20190617\\*SEField4\_AP  
 TA:6.1 s PAT:Off Voxel size:2.4×2.4×2.4 mm Rel. SNR:1.00 :epse

## Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	Off
Auto open inline display	Off
Wait for user to start	Off
Start measurements	single

## Routine

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	Head > Brain
Phase oversampling	0 %
FoV read	206 mm
FoV phase	100.0 %
Slice thickness	2.40 mm
TR	6100 ms
TE	60.00 ms
Multi-band accel. factor	1
Filter	Prescan Normalize
Coil elements	HEA;HEP

## Contrast

MTC	Off
Magn. preparation	None
Flip angle	90 deg
Fat suppr.	Fat sat.
Grad. rev. fat suppr.	Disabled
Averaging mode	Long term
Measurements	1
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

## Resolution

Base resolution	86
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	None
Distortion Corr.	Off
Hamming	Off
Matrix Coil Mode	Auto (Triple)
Unfiltered images	Off
Prescan Normalize	On
Raw filter	Off
Elliptical filter	Off

## Geometry

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Phase enc. dir.	A >> P
Phase oversampling	0 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	Fat sat.
Special sat.	None
Grad. rev. fat suppr.	Disabled
Special sat.	None
Table position	P

## System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
AutoAlign	Head > Brain
Coil Select Mode	Off - All
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	0.00 deg
R >> L	206 mm
A >> P	206 mm
F >> H	144 mm
Frequency 1H	123.183345 MHz
Correction factor	1
AddCSaCSatNS 1H	147.167 V
Gain	High
Table position	0 mm
Matrix Coil Mode	Auto (Triple)
Img. Scale. Cor.	1.000

## Physio

1st Signal/Mode	None
Magn. preparation	None

## Inline

Distortion correction	Off
-----------------------	-----

## Sequence

Introduction	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Contrasts	1
Bandwidth	2154 Hz/Px
Free echo spacing	On
Echo spacing	0.63 ms
EPI factor	86
RF pulse type	Normal
Gradient mode	Fast
Physio recording	Off
Triggering scheme	Standard
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms

## BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Ignore meas. at start	0
Ignore after transition	0
Model transition states	On
Temp. highpass filter	On
Threshold	4.00
Paradigm size	3
Motion correction	Off
Spatial filter	Off
Delay in TR	0 ms
Distortion Corr.	Off
Contrasts	1

**SIEMENS MAGNETOM Verio syngo MR D13**

\\USER\Brain\HARP\_Verio\_VD13A\HARP\_20190617\\*SEField4\_PA  
 TA:6.1 s PAT:Off Voxel size:2.4×2.4×2.4 mm Rel. SNR:1.00 :epse



## Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	Off
Auto open inline display	Off
Wait for user to start	Off
Start measurements	single

## Routine

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	Head > Brain
Phase oversampling	0 %
FoV read	206 mm
FoV phase	100.0 %
Slice thickness	2.40 mm
TR	6100 ms
TE	60.00 ms
Multi-band accel. factor	1
Filter	Prescan Normalize
Coil elements	HEA;HEP

## Contrast

MTC	Off
Magn. preparation	None
Flip angle	90 deg
Fat suppr.	Fat sat.
Grad. rev. fat suppr.	Disabled
Averaging mode	Long term
Measurements	1
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

## Resolution

Base resolution	86
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	None
Distortion Corr.	Off
Hamming	Off
Matrix Coil Mode	Auto (Triple)
Unfiltered images	Off
Prescan Normalize	On
Raw filter	Off
Elliptical filter	Off

## Geometry

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Phase enc. dir.	A >> P
Phase oversampling	0 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	Fat sat.
Special sat.	None
Grad. rev. fat suppr.	Disabled
Special sat.	None
Table position	P

## System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
AutoAlign	Head > Brain
Coil Select Mode	Off - All
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	0.00 deg
R >> L	206 mm
A >> P	206 mm
F >> H	144 mm
Frequency 1H	123.183345 MHz
Correction factor	1
AddCSaCSatNS 1H	147.167 V
Gain	High
Table position	0 mm
Matrix Coil Mode	Auto (Triple)
Img. Scale. Cor.	1.000

## Physio

1st Signal/Mode	None
Magn. preparation	None

## Inline

Distortion correction	Off
-----------------------	-----

## Sequence

Introduction	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Contrasts	1
Bandwidth	2154 Hz/Px
Free echo spacing	On
Echo spacing	0.63 ms
EPI factor	86
RF pulse type	Normal
Gradient mode	Fast
Physio recording	Off
Triggering scheme	Standard
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms

## BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Ignore meas. at start	0
Ignore after transition	0
Model transition states	On
Temp. highpass filter	On
Threshold	4.00
Paradigm size	3
Motion correction	Off
Spatial filter	Off
Delay in TR	0 ms
Distortion Corr.	Off
Contrasts	1

**SIEMENS MAGNETOM Verio syngo MR D13**

\\USER\Brain\HARP\_Verio\_VD13A\HARP\_20190617\\*BOLD\_EMOTION\_PA  
 TA:4:08 PAT:Off Voxel size:2.4×2.4×2.4 mm Rel. SNR:1.00 :epfid

## Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	On
Wait for user to start	Off
Start measurements	single

## Routine

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	Head > Brain
Phase oversampling	0 %
FoV read	206 mm
FoV phase	100.0 %
Slice thickness	2.40 mm
TR	800 ms
TE	34.40 ms
Multi-band accel. factor	6
Filter	Prescan Normalize
Coil elements	HEA;HEP

## Contrast

MTC	Off
Magn. preparation	None
Flip angle	52 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Measurements	300
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

## Resolution

Base resolution	86
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	None
Distortion Corr.	Off
Hamming	Off
Matrix Coil Mode	Auto (Triple)
Prescan Normalize	On
Raw filter	Off
Elliptical filter	Off

## Geometry

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Phase enc. dir.	A >> P
Phase oversampling	0 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	Fat sat.
Special sat.	None
Special sat.	None
Table position	P

## System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
AutoAlign	Head > Brain
Coil Select Mode	Off - All
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	0.00 deg
R >> L	206 mm
A >> P	206 mm
F >> H	144 mm
Frequency 1H	123.183345 MHz
Correction factor	1
MBExc 1H	814.823 V
Gain	High
Table position	0 mm
Matrix Coil Mode	Auto (Triple)
Img. Scale. Cor.	1.000

## Physio

1st Signal/Mode	None
Magn. preparation	None

## Inline

Distortion correction	Off
-----------------------	-----

## Sequence

Introduction	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Contrasts	1
Bandwidth	2076 Hz/Px
Flow comp.	No
Free echo spacing	Off
Echo spacing	0.63 ms
EPI factor	86
Gradient mode	Fast
RF spoiling	Off
Online multi-band recon.	Online
Physio recording	Off
Triggering scheme	Standard
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms

## BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Ignore meas. at start	0
Ignore after transition	0
Model transition states	On
Temp. highpass filter	On
Threshold	4.00
Paradigm size	3
Motion correction	Off
Spatial filter	Off
Delay in TR	0 ms
Distortion Corr.	Off
Contrasts	1

**SIEMENS MAGNETOM Verio syngo MR D13**

\\USER\Brain\HARP\_Verio\_VD13A\HARP\_20190617\\*SEField5\_AP  
 TA:6.1 s PAT:Off Voxel size:2.4×2.4×2.4 mm Rel. SNR:1.00 :epse



## Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	Off
Auto open inline display	Off
Wait for user to start	Off
Start measurements	single

## Routine

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	Head > Brain
Phase oversampling	0 %
FoV read	206 mm
FoV phase	100.0 %
Slice thickness	2.40 mm
TR	6100 ms
TE	60.00 ms
Multi-band accel. factor	1
Filter	Prescan Normalize
Coil elements	HEA;HEP

## Contrast

MTC	Off
Magn. preparation	None
Flip angle	90 deg
Fat suppr.	Fat sat.
Grad. rev. fat suppr.	Disabled
Averaging mode	Long term
Measurements	1
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

## Resolution

Base resolution	86
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	None
Distortion Corr.	Off
Hamming	Off
Matrix Coil Mode	Auto (Triple)
Unfiltered images	Off
Prescan Normalize	On
Raw filter	Off
Elliptical filter	Off

## Geometry

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Phase enc. dir.	A >> P
Phase oversampling	0 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	Fat sat.
Special sat.	None
Grad. rev. fat suppr.	Disabled
Special sat.	None
Table position	P

## System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
AutoAlign	Head > Brain
Coil Select Mode	Off - All
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	0.00 deg
R >> L	206 mm
A >> P	206 mm
F >> H	144 mm
Frequency 1H	123.183345 MHz
Correction factor	1
AddCSaCSatNS 1H	147.167 V
Gain	High
Table position	0 mm
Matrix Coil Mode	Auto (Triple)
Img. Scale. Cor.	1.000

## Physio

1st Signal/Mode	None
Magn. preparation	None

## Inline

Distortion correction	Off
-----------------------	-----

## Sequence

Introduction	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Contrasts	1
Bandwidth	2154 Hz/Px
Free echo spacing	On
Echo spacing	0.63 ms
EPI factor	86
RF pulse type	Normal
Gradient mode	Fast
Physio recording	Off
Triggering scheme	Standard
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms

## BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Ignore meas. at start	0
Ignore after transition	0
Model transition states	On
Temp. highpass filter	On
Threshold	4.00
Paradigm size	3
Motion correction	Off
Spatial filter	Off
Delay in TR	0 ms
Distortion Corr.	Off
Contrasts	1

**SIEMENS MAGNETOM Verio syngo MR D13**

\\USER\Brain\HARP\_Verio\_VD13A\HARP\_20190617\\*SEField5\_PA  
 TA:6.1 s PAT:Off Voxel size:2.4×2.4×2.4 mm Rel. SNR:1.00 :epse

## Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	On
Load images to graphic segments	Off
Auto open inline display	Off
Wait for user to start	Off
Start measurements	single

## Routine

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	Head > Brain
Phase oversampling	0 %
FoV read	206 mm
FoV phase	100.0 %
Slice thickness	2.40 mm
TR	6100 ms
TE	60.00 ms
Multi-band accel. factor	1
Filter	Prescan Normalize
Coil elements	HEA;HEP

## Contrast

MTC	Off
Magn. preparation	None
Flip angle	90 deg
Fat suppr.	Fat sat.
Grad. rev. fat suppr.	Disabled
Averaging mode	Long term
Measurements	1
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

## Resolution

Base resolution	86
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	None
Distortion Corr.	Off
Hamming	Off
Matrix Coil Mode	Auto (Triple)
Unfiltered images	Off
Prescan Normalize	On
Raw filter	Off
Elliptical filter	Off

## Geometry

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Phase enc. dir.	A >> P
Phase oversampling	0 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	Fat sat.
Special sat.	None
Grad. rev. fat suppr.	Disabled
Special sat.	None
Table position	P

## System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
AutoAlign	Head > Brain
Coil Select Mode	Off - All
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	0.00 deg
R >> L	206 mm
A >> P	206 mm
F >> H	144 mm
Frequency 1H	123.183345 MHz
Correction factor	1
AddCSaCSatNS 1H	147.167 V
Gain	High
Table position	0 mm
Matrix Coil Mode	Auto (Triple)
Img. Scale. Cor.	1.000

## Physio

1st Signal/Mode	None
Magn. preparation	None

## Inline

Distortion correction	Off
-----------------------	-----

## Sequence

Introduction	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Contrasts	1
Bandwidth	2154 Hz/Px
Free echo spacing	On
Echo spacing	0.63 ms
EPI factor	86
RF pulse type	Normal
Gradient mode	Fast
Physio recording	Off
Triggering scheme	Standard
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms

## BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Ignore meas. at start	0
Ignore after transition	0
Model transition states	On
Temp. highpass filter	On
Threshold	4.00
Paradigm size	3
Motion correction	Off
Spatial filter	Off
Delay in TR	0 ms
Distortion Corr.	Off
Contrasts	1

**SIEMENS MAGNETOM Verio syngo MR D13**

\\USER\Brain\HARP\_Verio\_VD13A\HARP\_20190617\\*BOLD\_CARIT\_PA  
 TA:4:08 PAT:Off Voxel size:2.4×2.4×2.4 mm Rel. SNR:1.00 :epfid



## Properties

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	On
Wait for user to start	Off
Start measurements	single

## Routine

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	Head > Brain
Phase oversampling	0 %
FoV read	206 mm
FoV phase	100.0 %
Slice thickness	2.40 mm
TR	800 ms
TE	34.40 ms
Multi-band accel. factor	6
Filter	Prescan Normalize
Coil elements	HEA;HEP

## Contrast

MTC	Off
Magn. preparation	None
Flip angle	52 deg
Fat suppr.	Fat sat.
Averaging mode	Long term
Measurements	300
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off

## Resolution

Base resolution	86
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
PAT mode	None
Distortion Corr.	Off
Hamming	Off
Matrix Coil Mode	Auto (Triple)
Prescan Normalize	On
Raw filter	Off
Elliptical filter	Off

## Geometry

Nr. of slice groups	1
Slices	60
Dist. factor	0 %
Position	Isocenter
Phase enc. dir.	A >> P
Phase oversampling	0 %
Multi-slice mode	Interleaved
Series	Interleaved
Nr. of sat. regions	0
Position mode	L-P-H
Fat suppr.	Fat sat.
Special sat.	None
Special sat.	None
Table position	P

## System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
AutoAlign	Head > Brain
Coil Select Mode	Off - All
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
Position	Isocenter
Rotation	0.00 deg
R >> L	206 mm
A >> P	206 mm
F >> H	144 mm
Frequency 1H	123.183345 MHz
Correction factor	1
MBExc 1H	814.823 V
Gain	High
Table position	0 mm
Matrix Coil Mode	Auto (Triple)
Img. Scale. Cor.	1.000

## Physio

1st Signal/Mode	None
Magn. preparation	None

## Inline

Distortion correction	Off
-----------------------	-----

## Sequence

Introduction	Off
Averaging mode	Long term
Multi-slice mode	Interleaved
Contrasts	1
Bandwidth	2076 Hz/Px
Flow comp.	No
Free echo spacing	Off
Echo spacing	0.63 ms
EPI factor	86
Gradient mode	Fast
RF spoiling	Off
Online multi-band recon.	Online
Physio recording	Off
Triggering scheme	Standard
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms

## BOLD

GLM Statistics	Off
Dynamic t-maps	Off
Ignore meas. at start	0
Ignore after transition	0
Model transition states	On
Temp. highpass filter	On
Threshold	4.00
Paradigm size	3
Motion correction	Off
Spatial filter	Off
Delay in TR	0 ms
Distortion Corr.	Off
Contrasts	1

**SIEMENS MAGNETOM Verio syngo MR D13**

## Table of contents

## \USER

## | Brain

		HARP_Verio_VD13A
		HARP_20190617
		*AAHead_Scout
		*AC-PC_setup
		*SEField1_AP
		*BOLD_REST1_AP
		*SEField1_PA
		*BOLD_REST1_PA
		*T1_MPR
		*T2_SPC
		*ASL_ADNI
		*DWI_AP
		*DWI_PA
		*SEField2_AP
		*BOLD_REST2_AP
		*SEField2_PA
		*BOLD_REST2_PA
		*SEField3_AP
		*BOLD_REST3_AP
		*SEField3_PA
		*BOLD_REST3_PA
		*SEField4_AP
		*SEField4_PA
		*BOLD_EMOTION_PA
		*SEField5_AP
		*SEField5_PA
		*BOLD_CARIT_PA