SIEMENS MAGNETOM Terra

\\USER\FMRIF\[XT-ID:93-M-0170]Renzo\20230424_largeFOV\localizer_irtfl_Richard
TA: 1:28 PM: REF Voxel size: 1.0×1.0×2.0 mmPAT: Off Rel. SNR: 1.00 : tfl

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	On
Auto close inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	Single measurement

Routine

Slice group	1
Slices	6
Dist. factor	600 %
Position	L1.5 A5.0 F25.3 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Slices	8
Dist. factor	250 %
Position	L1.5 A21.0 H30.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
Slice group	3
Slices	6
Dist. factor	700 %
Position	L1.5 A10.0 F25.9 mm
Orientation	Coronal
Phase enc. dir.	R >> L
AutoAlign	---
Phase oversampling	0 %
FoV read	200 mm
FoV phase	100.0 %
Slice thickness	2.0 mm
TR	4300.0 ms
TE	3.46 ms
Averages	1
Concatenations	20
Filter	None
Coil elements	A32

Contrast - Common

TR	4300.0 ms
TE	3.46 ms
TD	0 ms
Magn. preparation	Slice-sel. IR
TI 1	840 ms
TI 2	2540 ms
Flip angle 1	5.0 deg
Flip angle 2	8.0 deg
Fat suppr.	None
Water suppr.	None

Contrast - Dynamic

Averages	1
Averaging mode	Long term
Reconstruction	Magnitude

Contrast - Dynamic

Measurements	1
Multiple series	Each measurement

Resolution - Common

FoV read	200 mm
FoV phase	100.0 %
Slice thickness	2.0 mm
Base resolution	192
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	None

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	6
Dist. factor	600 %
Position	L1.5 A5.0 F25.3 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Slices	8
Dist. factor	250 %
Position	L1.5 A21.0 H30.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
Slice group	3
Slices	6
Dist. factor	700 %
Position	L1.5 A10.0 F25.9 mm
Orientation	Coronal
Phase enc. dir.	R >> L
FoV read	200 mm
FoV phase	100.0 %
Slice thickness	2.0 mm
TR	4300.0 ms
Multi-slice mode	Sequential
Series	Ascending
Concatenations	20

Geometry - AutoAlign

Slice group	1
Position	L1.5 A5.0 F25.3 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Position	L1.5 A21.0 H30.0 mm

Geometry - AutoAlign

Orientation	Transversal
Phase enc. dir.	A >> P
Slice group	3
Position	L1.5 A10.0 F25.9 mm
Orientation	Coronal
Phase enc. dir.	R >> L
AutoAlign	---
Initial Position	L1.5 A5.0 F25.3
L	1.5 mm
A	5.0 mm
F	25.3 mm
Initial Rotation	0.00 deg
Initial Orientation	Sagittal

Geometry - Navigator

System - Miscellaneous

Positioning mode	REF
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Adaptive Combine
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Tune up
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.182092 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	4300.0 ms
Concatenations	20

Physio - Cardiac

Magn. preparation	Slice-sel. IR
TI 1	840 ms

Physio - Cardiac

TI 2	2540 ms
Fat suppr.	None
Dark blood	Off
FoV read	200 mm
FoV phase	100.0 %
Phase resolution	100 %

Physio - PACE

Resp. control	Off
Concatenations	20

Inline - Common

Subtract	Off
Measurements	1
StdDev	Off
Save original images	On

Inline - MIP

MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Inline - Composing

Distortion Corr.	Off

Sequence - Part 1

Introduction	On
Dimension	2D
Asymmetric echo	Off
Flow comp.	No
Multi-slice mode	Sequential
Echo spacing	6.7 ms
Bandwidth	240 Hz/Px

Sequence - Part 2

RF pulse type	Normal
Gradient mode	Fast
Excitation	Slice-sel.
RF spoiling	On
Incr. Gradient spoiling	Off
Turbo factor	192

Sequence - Nuclei

TX/RX Nucleus	1H
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	A32

Sequence - Assistant

Mode	Off

\\USER\FMRIF\[XT-ID:93-M-0170]Renzo\20230424_largeFOV\0p9iso_DPEPI_noRS_IcPat6_ACSmono_BW1092

TA: 1:10 PM: REF Voxel size: 1.0×1.0×1.0 mmPAT: 6 Rel. SNR: 1.00 : ep 2669f94

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

Slab group	1
Slabs	1
Position	R3.2 A15.5 H22.3 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	1605 ms
TE 1	26.10 ms
Averages	1
Filter	None
Coil elements	A32

Contrast - Common

TR 1	80.1 ms
TR 2	1605 ms
TE 1	26.10 ms
Multi-echo spacing	60.1 ms
Magn. preparation	None
Flip angle	25 deg
Fat suppr.	Fat sat.
Magn. Prep. Shots	1

Contrast - Dynamic

Averages	1
Averaging mode	Short term
Reconstruction	Magn./Phase
Measurements	40
Pause after meas. 1	0.0 s
Pause after meas. 2	0.0 s
Pause after meas. 3	0.0 s
Pause after meas. 4	0.0 s
Pause after meas. 5	0.0 s
Pause after meas. 6	0.0 s
Pause after meas. 7	0.0 s
Pause after meas. 8	0.0 s
Pause after meas. 9	0.0 s
Pause after meas. 10	0.0 s
Pause after meas. 11	0.0 s
Pause after meas. 12	0.0 s

Contrast - Dynamic

Pause after meas. 13	0.0 s
Pause after meas. 14	0.0 s
Pause after meas. 15	0.0 s
Pause after meas. 16	0.0 s
Pause after meas. 17	0.0 s
Pause after meas. 18	0.0 s
Pause after meas. 19	0.0 s
Pause after meas. 20	0.0 s
Pause after meas. 21	0.0 s
Pause after meas. 22	0.0 s
Pause after meas. 23	0.0 s
Pause after meas. 24	0.0 s
Pause after meas. 25	0.0 s
Pause after meas. 26	0.0 s
Pause after meas. 27	0.0 s
Pause after meas. 28	0.0 s
Pause after meas. 29	0.0 s
Pause after meas. 30	0.0 s
Pause after meas. 31	0.0 s
Pause after meas. 32	0.0 s
Pause after meas. 33	0.0 s
Pause after meas. 34	0.0 s
Pause after meas. 35	0.0 s
Pause after meas. 36	0.0 s
Pause after meas. 37	0.0 s
Pause after meas. 38	0.0 s
Pause after meas. 39	0.0 s

Resolution - Common

FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
Base resolution	416
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	6/8
Slice partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	CAIPIRINHA
Acc. factor PE	1
Ref. lines PE	24
Acc. factor 3D	6
Ref. lines 3D	18
CAIPI 3D Shift	1
Reference Scan Mode	GRE/monopolar
CAIPI Mode (tooltip)	Skipped-CAIPI
Total PAT factor	6

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off

Resolution - Filter Rawdata

Elliptical filter	Off

Geometry - Common

Slab group	1
Slabs	1
Position	R3.2 A15.5 H22.3 mm
Orientation	Transversal
Phase enc. dir.	A >> P
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	1605 ms

Geometry - AutoAlign

Slab group	1
Position	R3.2 A15.5 H22.3 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R3.2 A15.5 H22.3
R	3.2 mm
A	15.5 mm
H	22.3 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Saturation mode	Standard
Fat suppr.	Fat sat.

System - Miscellaneous

Positioning mode	REF
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
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	R3.2 A15.5 H22.3 mm
! Orientation	Transversal
! Rotation	0.00 deg
! A >> P	194 mm
! R >> L	400 mm
! F >> H	34 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.182092 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Sequence - Part 1

Introduction	On
Dimension	3D
Reordering	Linear
Contrasts	1
Echo spacing	1.14 ms
Bandwidth	1202 Hz/Px

Sequence - Part 2

EPI factor	52
Segmentation	6
RF pulse type	Normal
Gradient mode	Normal
Excitation	Slab-sel.
RF spoiling	On
Turbo factor	18

Sequence - Special

PATRef FA	3 deg
RF duration	1400 us
RF BWT product	15
Ernst T1	1200 ms
PATRef prep. shots	10
Volume dummy shots	0
Dummy Measurements	0
PATRef averages	2
ETL per RTEB	1
Invert PE_____	Off
Min. TE if PF___	On
Echo Time Shift	On
Ramp Sampling	Off
NORDIC_____	Off
SVDPC_____	On
Sym VASO_____	Off
Dual-pol. EPI___	On
Invert RO_____	Off
Invert 3D	Off
Disable PF reco	Off
Disable PF reco	Off
Save sampling	Off
PE VComp	Off
Water Exc.	-none-
External PC	per Series
Saturation RF	per Shot
FIDNavs	-none-
EPI rise time factor	1.00
Mosaic DICOMs	On
Modify Ice Config	Off
Var. FA /MAGEC	0

Sequence - Assistant

Mode	Off

\\USER\FMRIF\[XT-ID:93-M-0170]Renzo\20230424_largeFOV\0p9iso_DPEPI_RS_IcPat6_ACSmono_BW1002

TA: 1:10 PM: REF Voxel size: 1.0×1.0×1.0 mmPAT: 6 Rel. SNR: 1.00 : ep 2669f94

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

Slab group	1
Slabs	1
Position	R3.2 A15.5 H22.3 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	1605 ms
TE 1	26.10 ms
Averages	1
Filter	None
Coil elements	A32

Contrast - Common

TR 1	80.1 ms
TR 2	1605 ms
TE 1	26.10 ms
Multi-echo spacing	60.1 ms
Magn. preparation	None
Flip angle	25 deg
Fat suppr.	Fat sat.
Magn. Prep. Shots	1

Contrast - Dynamic

Averages	1
Averaging mode	Short term
Reconstruction	Magn./Phase
Measurements	40
Pause after meas. 1	0.0 s
Pause after meas. 2	0.0 s
Pause after meas. 3	0.0 s
Pause after meas. 4	0.0 s
Pause after meas. 5	0.0 s
Pause after meas. 6	0.0 s
Pause after meas. 7	0.0 s
Pause after meas. 8	0.0 s
Pause after meas. 9	0.0 s
Pause after meas. 10	0.0 s
Pause after meas. 11	0.0 s
Pause after meas. 12	0.0 s

Contrast - Dynamic

Pause after meas. 13	0.0 s
Pause after meas. 14	0.0 s
Pause after meas. 15	0.0 s
Pause after meas. 16	0.0 s
Pause after meas. 17	0.0 s
Pause after meas. 18	0.0 s
Pause after meas. 19	0.0 s
Pause after meas. 20	0.0 s
Pause after meas. 21	0.0 s
Pause after meas. 22	0.0 s
Pause after meas. 23	0.0 s
Pause after meas. 24	0.0 s
Pause after meas. 25	0.0 s
Pause after meas. 26	0.0 s
Pause after meas. 27	0.0 s
Pause after meas. 28	0.0 s
Pause after meas. 29	0.0 s
Pause after meas. 30	0.0 s
Pause after meas. 31	0.0 s
Pause after meas. 32	0.0 s
Pause after meas. 33	0.0 s
Pause after meas. 34	0.0 s
Pause after meas. 35	0.0 s
Pause after meas. 36	0.0 s
Pause after meas. 37	0.0 s
Pause after meas. 38	0.0 s
Pause after meas. 39	0.0 s

Resolution - Common

FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
Base resolution	416
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	6/8
Slice partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	CAIPIRINHA
Acc. factor PE	1
Ref. lines PE	24
Acc. factor 3D	6
Ref. lines 3D	18
CAIPI 3D Shift	1
Reference Scan Mode	GRE/monopolar
CAIPI Mode (tooltip)	Skipped-CAIPI
Total PAT factor	6

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off

Resolution - Filter Rawdata

Elliptical filter	Off

Geometry - Common

Slab group	1
Slabs	1
Position	R3.2 A15.5 H22.3 mm
Orientation	Transversal
Phase enc. dir.	A >> P
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	1605 ms

Geometry - AutoAlign

Slab group	1
Position	R3.2 A15.5 H22.3 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R3.2 A15.5 H22.3
R	3.2 mm
A	15.5 mm
H	22.3 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Saturation mode	Standard
Fat suppr.	Fat sat.

System - Miscellaneous

Positioning mode	REF
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
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	R3.2 A15.5 H22.3 mm
! Orientation	Transversal
! Rotation	0.00 deg
! A >> P	194 mm
! R >> L	400 mm
! F >> H	34 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.182092 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Sequence - Part 1

Introduction	On
Dimension	3D
Reordering	Linear
Contrasts	1
Echo spacing	1.14 ms
Bandwidth	1002 Hz/Px

Sequence - Part 2

EPI factor	52
Segmentation	6
RF pulse type	Normal
Gradient mode	Normal
Excitation	Slab-sel.
RF spoiling	On
Turbo factor	18

Sequence - Special

PATRef FA	3 deg
RF duration	1400 us
RF BWT product	15
Ernst T1	1200 ms
PATRef prep. shots	10
Volume dummy shots	0
Dummy Measurements	0
PATRef averages	2
ETL per RTEB	1
Invert PE_____	Off
Min. TE if PF___	On
Echo Time Shift	On
Ramp Sampling	On
NORDIC_____	Off
SVDPC_____	On
Sym VASO_____	Off
Dual-pol. EPI___	On
Invert RO_____	Off
Invert 3D	Off
Disable PF reco	Off
Disable PF reco	Off
Save sampling	Off
PE VComp	Off
Water Exc.	-none-
External PC	per Series
Saturation RF	per Shot
FIDNavs	-none-
EPI rise time factor	2.50
Mosaic DICOMs	On
Modify Ice Config	Off
Var. FA /MAGEC	0

Sequence - Assistant

Mode	Off

\\USER\FMRIF\[XT-ID:93-M-0170]Renzo\20230424_largeFOV\0p9iso_DPEPI_RS_lcPat6_ACSmono_BW1092

TA: 1:10 PM: REF Voxel size: 1.0×1.0×1.0 mmPAT: 6 Rel. SNR: 1.00 : ep 2669f94

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

Slab group	1
Slabs	1
Position	R3.2 A15.5 H22.3 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	1605 ms
TE 1	26.10 ms
Averages	1
Filter	None
Coil elements	A32

Contrast - Common

TR 1	80.1 ms
TR 2	1605 ms
TE 1	26.10 ms
Multi-echo spacing	53.9 ms
Magn. preparation	None
Flip angle	25 deg
Fat suppr.	Fat sat.
Magn. Prep. Shots	1

Contrast - Dynamic

Averages	1
Averaging mode	Short term
Reconstruction	Magn./Phase
Measurements	40
Pause after meas. 1	0.0 s
Pause after meas. 2	0.0 s
Pause after meas. 3	0.0 s
Pause after meas. 4	0.0 s
Pause after meas. 5	0.0 s
Pause after meas. 6	0.0 s
Pause after meas. 7	0.0 s
Pause after meas. 8	0.0 s
Pause after meas. 9	0.0 s
Pause after meas. 10	0.0 s
Pause after meas. 11	0.0 s
Pause after meas. 12	0.0 s

Contrast - Dynamic

Pause after meas. 13	0.0 s
Pause after meas. 14	0.0 s
Pause after meas. 15	0.0 s
Pause after meas. 16	0.0 s
Pause after meas. 17	0.0 s
Pause after meas. 18	0.0 s
Pause after meas. 19	0.0 s
Pause after meas. 20	0.0 s
Pause after meas. 21	0.0 s
Pause after meas. 22	0.0 s
Pause after meas. 23	0.0 s
Pause after meas. 24	0.0 s
Pause after meas. 25	0.0 s
Pause after meas. 26	0.0 s
Pause after meas. 27	0.0 s
Pause after meas. 28	0.0 s
Pause after meas. 29	0.0 s
Pause after meas. 30	0.0 s
Pause after meas. 31	0.0 s
Pause after meas. 32	0.0 s
Pause after meas. 33	0.0 s
Pause after meas. 34	0.0 s
Pause after meas. 35	0.0 s
Pause after meas. 36	0.0 s
Pause after meas. 37	0.0 s
Pause after meas. 38	0.0 s
Pause after meas. 39	0.0 s

Resolution - Common

FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
Base resolution	416
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	6/8
Slice partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	CAIPIRINHA
Acc. factor PE	1
Ref. lines PE	24
Acc. factor 3D	6
Ref. lines 3D	18
CAIPI 3D Shift	1
Reference Scan Mode	GRE/monopolar
CAIPI Mode (tooltip)	Skipped-CAIPI
Total PAT factor	6

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off

Resolution - Filter Rawdata

Elliptical filter	Off

Geometry - Common

Slab group	1
Slabs	1
Position	R3.2 A15.5 H22.3 mm
Orientation	Transversal
Phase enc. dir.	A >> P
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	1605 ms

Geometry - AutoAlign

Slab group	1
Position	R3.2 A15.5 H22.3 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R3.2 A15.5 H22.3
R	3.2 mm
A	15.5 mm
H	22.3 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Saturation mode	Standard
Fat suppr.	Fat sat.

System - Miscellaneous

Positioning mode	REF
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
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	R3.2 A15.5 H22.3 mm
! Orientation	Transversal
! Rotation	0.00 deg
! A >> P	194 mm
! R >> L	400 mm
! F >> H	34 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.182092 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Sequence - Part 1

Introduction	On
Dimension	3D
Reordering	Linear
Contrasts	1
Echo spacing	1.02 ms
Bandwidth	1092 Hz/Px

Sequence - Part 2

EPI factor	52
Segmentation	6
RF pulse type	Normal
Gradient mode	Normal
Excitation	Slab-sel.
RF spoiling	On
Turbo factor	18

Sequence - Special

PATRef FA	3 deg
RF duration	1400 us
RF BWT product	15
Ernst T1	1200 ms
PATRef prep. shots	10
Volume dummy shots	0
Dummy Measurements	0
PATRef averages	2
ETL per RTEB	1
Invert PE_____	Off
Min. TE if PF___	On
Echo Time Shift	On
Ramp Sampling	On
NORDIC_____	Off
SVDPC_____	On
Sym VASO_____	Off
Dual-pol. EPI___	On
Invert RO_____	Off
Invert 3D	Off
Disable PF reco	Off
Disable PF reco	Off
Save sampling	Off
PE VComp	Off
Water Exc.	-none-
External PC	per Series
Saturation RF	per Shot
FIDNavs	-none-
EPI rise time factor	1.00
Mosaic DICOMs	On
Modify Ice Config	Off
Var. FA /MAGEC	0

Sequence - Assistant

Mode	Off

\\USER\FMRIF\[XT-ID:93-M-0170]Renzo\20230424_largeFOV\0p9iso_DPEPI_noRS_noIcepat_ACSmono_BW1092

TA: 6:27 PM: REF Voxel size: 1.0×1.0×1.0 mmPAT: Off Rel. SNR: 1.00 : ep 2669f94

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

Slab group	1
Slabs	1
Position	R3.2 A15.5 H22.3 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	9633 ms
TE 1	26.10 ms
Averages	1
Filter	None
Coil elements	A32

Contrast - Common

TR 1	80.1 ms
TR 2	9633 ms
TE 1	26.10 ms
Multi-echo spacing	60.1 ms
Magn. preparation	None
Flip angle	25 deg
Fat suppr.	Fat sat.
Magn. Prep. Shots	1

Contrast - Dynamic

Averages	1
Averaging mode	Short term
Reconstruction	Magn./Phase
Measurements	40
Pause after meas. 1	0.0 s
Pause after meas. 2	0.0 s
Pause after meas. 3	0.0 s
Pause after meas. 4	0.0 s
Pause after meas. 5	0.0 s
Pause after meas. 6	0.0 s
Pause after meas. 7	0.0 s
Pause after meas. 8	0.0 s
Pause after meas. 9	0.0 s
Pause after meas. 10	0.0 s
Pause after meas. 11	0.0 s
Pause after meas. 12	0.0 s

Contrast - Dynamic

Pause after meas. 13	0.0 s
Pause after meas. 14	0.0 s
Pause after meas. 15	0.0 s
Pause after meas. 16	0.0 s
Pause after meas. 17	0.0 s
Pause after meas. 18	0.0 s
Pause after meas. 19	0.0 s
Pause after meas. 20	0.0 s
Pause after meas. 21	0.0 s
Pause after meas. 22	0.0 s
Pause after meas. 23	0.0 s
Pause after meas. 24	0.0 s
Pause after meas. 25	0.0 s
Pause after meas. 26	0.0 s
Pause after meas. 27	0.0 s
Pause after meas. 28	0.0 s
Pause after meas. 29	0.0 s
Pause after meas. 30	0.0 s
Pause after meas. 31	0.0 s
Pause after meas. 32	0.0 s
Pause after meas. 33	0.0 s
Pause after meas. 34	0.0 s
Pause after meas. 35	0.0 s
Pause after meas. 36	0.0 s
Pause after meas. 37	0.0 s
Pause after meas. 38	0.0 s
Pause after meas. 39	0.0 s

Resolution - Common

FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
Base resolution	416
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	6/8
Slice partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	None
CAIPI Mode (tooltip)	Skipped-CAIPI

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slab group	1
Slabs	1
Position	R3.2 A15.5 H22.3 mm
Orientation	Transversal

Geometry - Common

Phase enc. dir.	A >> P
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	9633 ms

Geometry - AutoAlign

Slab group	1
Position	R3.2 A15.5 H22.3 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R3.2 A15.5 H22.3
R	3.2 mm
A	15.5 mm
H	22.3 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Saturation mode	Standard
Fat suppr.	Fat sat.

System - Miscellaneous

Positioning mode	REF
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Adaptive Combine
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	R3.2 A15.5 H22.3 mm
! Orientation	Transversal
! Rotation	0.00 deg
! A >> P	194 mm
! R >> L	400 mm
! F >> H	34 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.182092 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Sequence - Part 1

Introduction	On
Dimension	3D
Reordering	Linear
Contrasts	1
Echo spacing	1.14 ms
Bandwidth	1202 Hz/Px

Sequence - Part 2

EPI factor	52
Segmentation	6
RF pulse type	Normal
Gradient mode	Normal
Excitation	Slab-sel.
RF spoiling	On
Turbo factor	108

Sequence - Special

RF duration	1400 us
RF BWT product	15
Ernst T1	1200 ms
Volume dummy shots	0
Dummy Measurements	0
ETL per RTEB	1
Invert PE_____	Off
Min. TE if PF___	On
Echo Time Shift	On
Ramp Sampling	Off
NORDIC_____	Off
SVDPC_____	On
Sym VASO_____	Off
Dual-pol. EPI___	On
Invert RO_____	Off
Invert 3D	Off
Disable PF reco	Off
Disable PF reco	Off
Save sampling	Off
PE VComp	Off
Water Exc.	-none-
External PC	per Series
Saturation RF	per Shot
FIDNavs	-none-
EPI rise time factor	1.00
Mosaic DICOMs	On
Var. FA /MAGEC	0

Sequence - Assistant

Mode	Off

\\USER\FMRIF\[XT-ID:93-M-0170]Renzo\20230424_largeFOV\0p9iso_DPEPI_RS_noIcPat_ACSmono_ BW1002

TA: 6:27 PM: REF Voxel size: 1.0×1.0×1.0 mmPAT: Off Rel. SNR: 1.00 : ep 2669f94

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

Slab group	1
Slabs	1
Position	R3.2 A15.5 H22.3 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	9633 ms
TE 1	26.10 ms
Averages	1
Filter	None
Coil elements	A32

Contrast - Common

TR 1	80.1 ms
TR 2	9633 ms
TE 1	26.10 ms
Multi-echo spacing	60.1 ms
Magn. preparation	None
Flip angle	25 deg
Fat suppr.	Fat sat.
Magn. Prep. Shots	1

Contrast - Dynamic

Averages	1
Averaging mode	Short term
Reconstruction	Magn./Phase
Measurements	40
Pause after meas. 1	0.0 s
Pause after meas. 2	0.0 s
Pause after meas. 3	0.0 s
Pause after meas. 4	0.0 s
Pause after meas. 5	0.0 s
Pause after meas. 6	0.0 s
Pause after meas. 7	0.0 s
Pause after meas. 8	0.0 s
Pause after meas. 9	0.0 s
Pause after meas. 10	0.0 s
Pause after meas. 11	0.0 s
Pause after meas. 12	0.0 s

Contrast - Dynamic

Pause after meas. 13	0.0 s
Pause after meas. 14	0.0 s
Pause after meas. 15	0.0 s
Pause after meas. 16	0.0 s
Pause after meas. 17	0.0 s
Pause after meas. 18	0.0 s
Pause after meas. 19	0.0 s
Pause after meas. 20	0.0 s
Pause after meas. 21	0.0 s
Pause after meas. 22	0.0 s
Pause after meas. 23	0.0 s
Pause after meas. 24	0.0 s
Pause after meas. 25	0.0 s
Pause after meas. 26	0.0 s
Pause after meas. 27	0.0 s
Pause after meas. 28	0.0 s
Pause after meas. 29	0.0 s
Pause after meas. 30	0.0 s
Pause after meas. 31	0.0 s
Pause after meas. 32	0.0 s
Pause after meas. 33	0.0 s
Pause after meas. 34	0.0 s
Pause after meas. 35	0.0 s
Pause after meas. 36	0.0 s
Pause after meas. 37	0.0 s
Pause after meas. 38	0.0 s
Pause after meas. 39	0.0 s

Resolution - Common

FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
Base resolution	416
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	6/8
Slice partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	None
CAIPI Mode (tooltip)	Skipped-CAIPI

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slab group	1
Slabs	1
Position	R3.2 A15.5 H22.3 mm
Orientation	Transversal

Geometry - Common

Phase enc. dir.	A >> P
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	9633 ms

Geometry - AutoAlign

Slab group	1
Position	R3.2 A15.5 H22.3 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R3.2 A15.5 H22.3
R	3.2 mm
A	15.5 mm
H	22.3 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Saturation mode	Standard
Fat suppr.	Fat sat.

System - Miscellaneous

Positioning mode	REF
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Adaptive Combine
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	R3.2 A15.5 H22.3 mm
! Orientation	Transversal
! Rotation	0.00 deg
! A >> P	194 mm
! R >> L	400 mm
! F >> H	34 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.182092 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Sequence - Part 1

Introduction	On
Dimension	3D
Reordering	Linear
Contrasts	1
Echo spacing	1.14 ms
Bandwidth	1002 Hz/Px

Sequence - Part 2

EPI factor	52
Segmentation	6
RF pulse type	Normal
Gradient mode	Normal
Excitation	Slab-sel.
RF spoiling	On
Turbo factor	108

Sequence - Special

RF duration	1400 us
RF BWT product	15
Ernst T1	1200 ms
Volume dummy shots	0
Dummy Measurements	0
ETL per RTEB	1
Invert PE_____	Off
Min. TE if PF___	On
Echo Time Shift	On
Ramp Sampling	On
NORDIC_____	Off
SVDPC_____	On
Sym VASO_____	Off
Dual-pol. EPI___	On
Invert RO_____	Off
Invert 3D	Off
Disable PF reco	Off
Disable PF reco	Off
Save sampling	Off
PE VComp	Off
Water Exc.	-none-
External PC	per Series
Saturation RF	per Shot
FIDNavs	-none-
EPI rise time factor	2.50
Mosaic DICOMs	On
Var. FA /MAGEC	0

Sequence - Assistant

Mode	Off

\\USER\FMRIF\[XT-ID:93-M-0170]Renzo\20230424_largeFOV\0p9iso_DPEPI_RS_noIcPat_ACSmono_ BW1092
TA: 6:27 PM: REF Voxel size: 1.0×1.0×1.0 mmPAT: Off Rel. SNR: 1.00 : ep 2669f94

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

Slab group	1
Slabs	1
Position	R3.2 A15.5 H22.3 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	9633 ms
TE 1	26.10 ms
Averages	1
Filter	None
Coil elements	A32

Contrast - Common

TR 1	80.1 ms
TR 2	9633 ms
TE 1	26.10 ms
Multi-echo spacing	53.9 ms
Magn. preparation	None
Flip angle	25 deg
Fat suppr.	Fat sat.
Magn. Prep. Shots	1

Contrast - Dynamic

Averages	1
Averaging mode	Short term
Reconstruction	Magn./Phase
Measurements	40
Pause after meas. 1	0.0 s
Pause after meas. 2	0.0 s
Pause after meas. 3	0.0 s
Pause after meas. 4	0.0 s
Pause after meas. 5	0.0 s
Pause after meas. 6	0.0 s
Pause after meas. 7	0.0 s
Pause after meas. 8	0.0 s
Pause after meas. 9	0.0 s
Pause after meas. 10	0.0 s
Pause after meas. 11	0.0 s
Pause after meas. 12	0.0 s

Contrast - Dynamic

Pause after meas. 13	0.0 s
Pause after meas. 14	0.0 s
Pause after meas. 15	0.0 s
Pause after meas. 16	0.0 s
Pause after meas. 17	0.0 s
Pause after meas. 18	0.0 s
Pause after meas. 19	0.0 s
Pause after meas. 20	0.0 s
Pause after meas. 21	0.0 s
Pause after meas. 22	0.0 s
Pause after meas. 23	0.0 s
Pause after meas. 24	0.0 s
Pause after meas. 25	0.0 s
Pause after meas. 26	0.0 s
Pause after meas. 27	0.0 s
Pause after meas. 28	0.0 s
Pause after meas. 29	0.0 s
Pause after meas. 30	0.0 s
Pause after meas. 31	0.0 s
Pause after meas. 32	0.0 s
Pause after meas. 33	0.0 s
Pause after meas. 34	0.0 s
Pause after meas. 35	0.0 s
Pause after meas. 36	0.0 s
Pause after meas. 37	0.0 s
Pause after meas. 38	0.0 s
Pause after meas. 39	0.0 s

Resolution - Common

FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
Base resolution	416
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	6/8
Slice partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	None
CAIPI Mode (tooltip)	Skipped-CAIPI

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slab group	1
Slabs	1
Position	R3.2 A15.5 H22.3 mm
Orientation	Transversal

Geometry - Common

Phase enc. dir.	A >> P
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	9633 ms

Geometry - AutoAlign

Slab group	1
Position	R3.2 A15.5 H22.3 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R3.2 A15.5 H22.3
R	3.2 mm
A	15.5 mm
H	22.3 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Saturation mode	Standard
Fat suppr.	Fat sat.

System - Miscellaneous

Positioning mode	REF
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Adaptive Combine
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	R3.2 A15.5 H22.3 mm
! Orientation	Transversal
! Rotation	0.00 deg
! A >> P	194 mm
! R >> L	400 mm
! F >> H	34 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.182092 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Sequence - Part 1

Introduction	On
Dimension	3D
Reordering	Linear
Contrasts	1
Echo spacing	1.02 ms
Bandwidth	1092 Hz/Px

Sequence - Part 2

EPI factor	52
Segmentation	6
RF pulse type	Normal
Gradient mode	Normal
Excitation	Slab-sel.
RF spoiling	On
Turbo factor	108

Sequence - Special

RF duration	1400 us
RF BWT product	15
Ernst T1	1200 ms
Volume dummy shots	0
Dummy Measurements	0
ETL per RTEB	1
Invert PE_____	Off
Min. TE if PF___	On
Echo Time Shift	On
Ramp Sampling	On
NORDIC_____	Off
SVDPC_____	On
Sym VASO_____	Off
Dual-pol. EPI___	On
Invert RO_____	Off
Invert 3D	Off
Disable PF reco	Off
Disable PF reco	Off
Save sampling	Off
PE VComp	Off
Water Exc.	-none-
External PC	per Series
Saturation RF	per Shot
FIDNavs	-none-
EPI rise time factor	1.00
Mosaic DICOMs	On
Var. FA /MAGEC	0

Sequence - Assistant

Mode	Off

\\USER\FMRIF\[XT-ID:93-M-0170]Renzo\20230424_largeFOV\localizer_irtfl_Richard

TA: 1:28 PM: REF Voxel size: 1.0×1.0×2.0 mmPAT: Off Rel. SNR: 1.00 : tfl

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	On
Auto close inline display	Off
Start measurement without further preparation	On
Wait for user to start	Off
Start measurements	Single measurement

Routine

Slice group	1
Slices	6
Dist. factor	600 %
Position	L1.5 A5.0 F25.3 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Slices	8
Dist. factor	250 %
Position	L1.5 A21.0 H30.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
Slice group	3
Slices	6
Dist. factor	700 %
Position	L1.5 A10.0 F25.9 mm
Orientation	Coronal
Phase enc. dir.	R >> L
AutoAlign	---
Phase oversampling	0 %
FoV read	200 mm
FoV phase	100.0 %
Slice thickness	2.0 mm
TR	4300.0 ms
TE	3.46 ms
Averages	1
Concatenations	20
Filter	None
Coil elements	A32

Contrast - Common

TR	4300.0 ms
TE	3.46 ms
TD	0 ms
Magn. preparation	Slice-sel. IR
TI 1	840 ms
TI 2	2540 ms
Flip angle 1	5.0 deg
Flip angle 2	8.0 deg
Fat suppr.	None
Water suppr.	None

Contrast - Dynamic

Averages	1
Averaging mode	Long term
Reconstruction	Magnitude

Contrast - Dynamic

Measurements	1
Multiple series	Each measurement

Resolution - Common

FoV read	200 mm
FoV phase	100.0 %
Slice thickness	2.0 mm
Base resolution	192
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	None

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	6
Dist. factor	600 %
Position	L1.5 A5.0 F25.3 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Slices	8
Dist. factor	250 %
Position	L1.5 A21.0 H30.0 mm
Orientation	Transversal
Phase enc. dir.	A >> P
Slice group	3
Slices	6
Dist. factor	700 %
Position	L1.5 A10.0 F25.9 mm
Orientation	Coronal
Phase enc. dir.	R >> L
FoV read	200 mm
FoV phase	100.0 %
Slice thickness	2.0 mm
TR	4300.0 ms
Multi-slice mode	Sequential
Series	Ascending
Concatenations	20

Geometry - AutoAlign

Slice group	1
Position	L1.5 A5.0 F25.3 mm
Orientation	Sagittal
Phase enc. dir.	A >> P
Slice group	2
Position	L1.5 A21.0 H30.0 mm

Geometry - AutoAlign

Orientation	Transversal
Phase enc. dir.	A >> P
Slice group	3
Position	L1.5 A10.0 F25.9 mm
Orientation	Coronal
Phase enc. dir.	R >> L
AutoAlign	---
Initial Position	L1.5 A5.0 F25.3
L	1.5 mm
A	5.0 mm
F	25.3 mm
Initial Rotation	0.00 deg
Initial Orientation	Sagittal

Geometry - Navigator

System - Miscellaneous

Positioning mode	REF
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Adaptive Combine
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Tune up
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

Position	Isocenter
Orientation	Transversal
Rotation	0.00 deg
A >> P	263 mm
R >> L	350 mm
F >> H	350 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.182092 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	4300.0 ms
Concatenations	20

Physio - Cardiac

Magn. preparation	Slice-sel. IR
TI 1	840 ms

Physio - Cardiac

TI 2	2540 ms
Fat suppr.	None
Dark blood	Off
FoV read	200 mm
FoV phase	100.0 %
Phase resolution	100 %

Physio - PACE

Resp. control	Off
Concatenations	20

Inline - Common

Subtract	Off
Measurements	1
StdDev	Off
Save original images	On

Inline - MIP

MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Inline - Composing

Distortion Corr.	Off

Sequence - Part 1

Introduction	On
Dimension	2D
Asymmetric echo	Off
Flow comp.	No
Multi-slice mode	Sequential
Echo spacing	6.7 ms
Bandwidth	240 Hz/Px

Sequence - Part 2

RF pulse type	Normal
Gradient mode	Fast
Excitation	Slice-sel.
RF spoiling	On
Incr. Gradient spoiling	Off
Turbo factor	192

Sequence - Nuclei

TX/RX Nucleus	1H
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	A32

Sequence - Assistant

Mode	Off

\\USER\FMRIF\[XT-ID:93-M-0170]Renzo\20230424_largeFOV\0p9iso_DPEPI_noRS_IcPat6_ACSmono_BW1092

TA: 1:10 PM: REF Voxel size: 1.0×1.0×1.0 mmPAT: 6 Rel. SNR: 1.00 : ep 2669f94

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

Slab group	1
Slabs	1
Position	R3.2 A14.7 H32.6 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	1605 ms
TE 1	26.10 ms
Averages	1
Filter	None
Coil elements	A32

Contrast - Common

TR 1	80.1 ms
TR 2	1605 ms
TE 1	26.10 ms
Multi-echo spacing	60.1 ms
Magn. preparation	None
Flip angle	25 deg
Fat suppr.	Fat sat.
Magn. Prep. Shots	1

Contrast - Dynamic

Averages	1
Averaging mode	Short term
Reconstruction	Magn./Phase
Measurements	40
Pause after meas. 1	0.0 s
Pause after meas. 2	0.0 s
Pause after meas. 3	0.0 s
Pause after meas. 4	0.0 s
Pause after meas. 5	0.0 s
Pause after meas. 6	0.0 s
Pause after meas. 7	0.0 s
Pause after meas. 8	0.0 s
Pause after meas. 9	0.0 s
Pause after meas. 10	0.0 s
Pause after meas. 11	0.0 s
Pause after meas. 12	0.0 s

Contrast - Dynamic

Pause after meas. 13	0.0 s
Pause after meas. 14	0.0 s
Pause after meas. 15	0.0 s
Pause after meas. 16	0.0 s
Pause after meas. 17	0.0 s
Pause after meas. 18	0.0 s
Pause after meas. 19	0.0 s
Pause after meas. 20	0.0 s
Pause after meas. 21	0.0 s
Pause after meas. 22	0.0 s
Pause after meas. 23	0.0 s
Pause after meas. 24	0.0 s
Pause after meas. 25	0.0 s
Pause after meas. 26	0.0 s
Pause after meas. 27	0.0 s
Pause after meas. 28	0.0 s
Pause after meas. 29	0.0 s
Pause after meas. 30	0.0 s
Pause after meas. 31	0.0 s
Pause after meas. 32	0.0 s
Pause after meas. 33	0.0 s
Pause after meas. 34	0.0 s
Pause after meas. 35	0.0 s
Pause after meas. 36	0.0 s
Pause after meas. 37	0.0 s
Pause after meas. 38	0.0 s
Pause after meas. 39	0.0 s

Resolution - Common

FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
Base resolution	416
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	6/8
Slice partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	CAIPIRINHA
Acc. factor PE	1
Ref. lines PE	24
Acc. factor 3D	6
Ref. lines 3D	18
CAIPI 3D Shift	1
Reference Scan Mode	GRE/monopolar
CAIPI Mode (tooltip)	Skipped-CAIPI
Total PAT factor	6

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off

Resolution - Filter Rawdata

Elliptical filter	Off

Geometry - Common

Slab group	1
Slabs	1
Position	R3.2 A14.7 H32.6 mm
Orientation	Transversal
Phase enc. dir.	A >> P
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	1605 ms

Geometry - AutoAlign

Slab group	1
Position	R3.2 A14.7 H32.6 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R3.2 A14.7 H32.6
R	3.2 mm
A	14.7 mm
H	32.6 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Saturation mode	Standard
Fat suppr.	Fat sat.

System - Miscellaneous

Positioning mode	REF
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
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	R3.2 A8.3 H30.2 mm
! Orientation	Transversal
! Rotation	0.00 deg
! A >> P	194 mm
! R >> L	400 mm
! F >> H	34 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.182092 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	0.500
Reset	Off
? Ref. amplitude 1H	0.000 V

Sequence - Part 1

Introduction	On
Dimension	3D
Reordering	Linear
Contrasts	1
Echo spacing	1.14 ms
Bandwidth	1202 Hz/Px

Sequence - Part 2

EPI factor	52
Segmentation	6
RF pulse type	Normal
Gradient mode	Normal
Excitation	Slab-sel.
RF spoiling	On
Turbo factor	18

Sequence - Special

PATRef FA	3 deg
RF duration	1400 us
RF BWT product	15
Ernst T1	1200 ms
PATRef prep. shots	10
Volume dummy shots	0
Dummy Measurements	0
PATRef averages	2
ETL per RTEB	1
Invert PE_____	Off
Min. TE if PF___	On
Echo Time Shift	On
Ramp Sampling	Off
NORDIC_____	Off
SVDPC_____	On
Sym VASO_____	Off
Dual-pol. EPI___	On
Invert RO_____	Off
Invert 3D	Off
Disable PF reco	Off
Disable PF reco	Off
Save sampling	Off
PE VComp	Off
Water Exc.	-none-
External PC	per Series
Saturation RF	per Shot
FIDNavs	-none-
EPI rise time factor	1.00
Mosaic DICOMs	On
Modify Ice Config	Off
Var. FA /MAGEC	0

Sequence - Assistant

Mode	Off

\\USER\FMRIF\[XT-ID:93-M-0170]Renzo\20230424_largeFOV\0p9iso_DPEPI_RS_lcPat6_ACSmono_BW1002

TA: 1:10 PM: FIX Voxel size: 1.0×1.0×1.0 mmPAT: 6 Rel. SNR: 1.00 : ep 2669f94

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

Slab group	1
Slabs	1
Position	R3.2 A14.7 H32.6 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	1605 ms
TE 1	26.10 ms
Averages	1
Filter	None
Coil elements	A32

Contrast - Common

TR 1	80.1 ms
TR 2	1605 ms
TE 1	26.10 ms
Multi-echo spacing	60.1 ms
Magn. preparation	None
Flip angle	25 deg
Fat suppr.	Fat sat.
Magn. Prep. Shots	1

Contrast - Dynamic

Averages	1
Averaging mode	Short term
Reconstruction	Magn./Phase
Measurements	40
Pause after meas. 1	0.0 s
Pause after meas. 2	0.0 s
Pause after meas. 3	0.0 s
Pause after meas. 4	0.0 s
Pause after meas. 5	0.0 s
Pause after meas. 6	0.0 s
Pause after meas. 7	0.0 s
Pause after meas. 8	0.0 s
Pause after meas. 9	0.0 s
Pause after meas. 10	0.0 s
Pause after meas. 11	0.0 s
Pause after meas. 12	0.0 s

Contrast - Dynamic

Pause after meas. 13	0.0 s
Pause after meas. 14	0.0 s
Pause after meas. 15	0.0 s
Pause after meas. 16	0.0 s
Pause after meas. 17	0.0 s
Pause after meas. 18	0.0 s
Pause after meas. 19	0.0 s
Pause after meas. 20	0.0 s
Pause after meas. 21	0.0 s
Pause after meas. 22	0.0 s
Pause after meas. 23	0.0 s
Pause after meas. 24	0.0 s
Pause after meas. 25	0.0 s
Pause after meas. 26	0.0 s
Pause after meas. 27	0.0 s
Pause after meas. 28	0.0 s
Pause after meas. 29	0.0 s
Pause after meas. 30	0.0 s
Pause after meas. 31	0.0 s
Pause after meas. 32	0.0 s
Pause after meas. 33	0.0 s
Pause after meas. 34	0.0 s
Pause after meas. 35	0.0 s
Pause after meas. 36	0.0 s
Pause after meas. 37	0.0 s
Pause after meas. 38	0.0 s
Pause after meas. 39	0.0 s

Resolution - Common

FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
Base resolution	416
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	6/8
Slice partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	CAIPIRINHA
Acc. factor PE	1
Ref. lines PE	24
Acc. factor 3D	6
Ref. lines 3D	18
CAIPI 3D Shift	1
Reference Scan Mode	GRE/monopolar
CAIPI Mode (tooltip)	Skipped-CAIPI
Total PAT factor	6

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off

Resolution - Filter Rawdata

Elliptical filter	Off

Geometry - Common

Slab group	1
Slabs	1
Position	R3.2 A14.7 H32.6 mm
Orientation	Transversal
Phase enc. dir.	A >> P
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	1605 ms

Geometry - AutoAlign

Slab group	1
Position	R3.2 A14.7 H32.6 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R3.2 A14.7 H32.6
R	3.2 mm
A	14.7 mm
H	32.6 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Saturation mode	Standard
Fat suppr.	Fat sat.

System - Miscellaneous

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
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	R3.2 A8.3 H30.2 mm
! Orientation	Transversal
! Rotation	0.00 deg
! A >> P	194 mm
! R >> L	400 mm
! F >> H	34 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.182092 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	0.500
Reset	Off
? Ref. amplitude 1H	0.000 V

Sequence - Part 1

Introduction	On
Dimension	3D
Reordering	Linear
Contrasts	1
Echo spacing	1.14 ms
Bandwidth	1002 Hz/Px

Sequence - Part 2

EPI factor	52
Segmentation	6
RF pulse type	Normal
Gradient mode	Normal
Excitation	Slab-sel.
RF spoiling	On
Turbo factor	18

Sequence - Special

PATRef FA	3 deg
RF duration	1400 us
RF BWT product	15
Ernst T1	1200 ms
PATRef prep. shots	10
Volume dummy shots	0
Dummy Measurements	0
PATRef averages	2
ETL per RTEB	1
Invert PE_____	Off
Min. TE if PF___	On
Echo Time Shift	On
Ramp Sampling	On
NORDIC_____	Off
SVDPC_____	On
Sym VASO_____	Off
Dual-pol. EPI___	On
Invert RO_____	Off
Invert 3D	Off
Disable PF reco	Off
Disable PF reco	Off
Save sampling	Off
PE VComp	Off
Water Exc.	-none-
External PC	per Series
Saturation RF	per Shot
FIDNavs	-none-
EPI rise time factor	2.50
Mosaic DICOMs	On
Modify Ice Config	Off
Var. FA /MAGEC	0

Sequence - Assistant

Mode	Off

SIEMENS MAGNETOM Terra

\\USER\FMRIF\[XT-ID:93-M-0170]Renzo\20230424_largeFOV\0p9iso_DPEPI_RS_lcPat6_ACSmono_BW1092

TA: 1:10 PM: REF Voxel size: 1.0×1.0×1.0 mmPAT: 6 Rel. SNR: 1.00 : ep 2669f94

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

Slab group	1
Slabs	1
Position	R3.2 A15.5 H22.3 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	1605 ms
TE 1	26.10 ms
Averages	1
Filter	None
Coil elements	A32

Contrast - Common

TR 1	80.1 ms
TR 2	1605 ms
TE 1	26.10 ms
Multi-echo spacing	53.9 ms
Magn. preparation	None
Flip angle	25 deg
Fat suppr.	Fat sat.
Magn. Prep. Shots	1

Contrast - Dynamic

Averages	1
Averaging mode	Short term
Reconstruction	Magn./Phase
Measurements	40
Pause after meas. 1	0.0 s
Pause after meas. 2	0.0 s
Pause after meas. 3	0.0 s
Pause after meas. 4	0.0 s
Pause after meas. 5	0.0 s
Pause after meas. 6	0.0 s
Pause after meas. 7	0.0 s
Pause after meas. 8	0.0 s
Pause after meas. 9	0.0 s
Pause after meas. 10	0.0 s
Pause after meas. 11	0.0 s
Pause after meas. 12	0.0 s

Contrast - Dynamic

Pause after meas. 13	0.0 s
Pause after meas. 14	0.0 s
Pause after meas. 15	0.0 s
Pause after meas. 16	0.0 s
Pause after meas. 17	0.0 s
Pause after meas. 18	0.0 s
Pause after meas. 19	0.0 s
Pause after meas. 20	0.0 s
Pause after meas. 21	0.0 s
Pause after meas. 22	0.0 s
Pause after meas. 23	0.0 s
Pause after meas. 24	0.0 s
Pause after meas. 25	0.0 s
Pause after meas. 26	0.0 s
Pause after meas. 27	0.0 s
Pause after meas. 28	0.0 s
Pause after meas. 29	0.0 s
Pause after meas. 30	0.0 s
Pause after meas. 31	0.0 s
Pause after meas. 32	0.0 s
Pause after meas. 33	0.0 s
Pause after meas. 34	0.0 s
Pause after meas. 35	0.0 s
Pause after meas. 36	0.0 s
Pause after meas. 37	0.0 s
Pause after meas. 38	0.0 s
Pause after meas. 39	0.0 s

Resolution - Common

FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
Base resolution	416
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	6/8
Slice partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	CAIPIRINHA
Acc. factor PE	1
Ref. lines PE	24
Acc. factor 3D	6
Ref. lines 3D	18
CAIPI 3D Shift	1
Reference Scan Mode	GRE/monopolar
CAIPI Mode (tooltip)	Skipped-CAIPI
Total PAT factor	6

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off

Resolution - Filter Rawdata

Elliptical filter	Off

Geometry - Common

Slab group	1
Slabs	1
Position	R3.2 A15.5 H22.3 mm
Orientation	Transversal
Phase enc. dir.	A >> P
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	1605 ms

Geometry - AutoAlign

Slab group	1
Position	R3.2 A15.5 H22.3 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R3.2 A15.5 H22.3
R	3.2 mm
A	15.5 mm
H	22.3 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Saturation mode	Standard
Fat suppr.	Fat sat.

System - Miscellaneous

Positioning mode	REF
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
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	R3.2 A15.5 H22.3 mm
! Orientation	Transversal
! Rotation	0.00 deg
! A >> P	194 mm
! R >> L	400 mm
! F >> H	34 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.182092 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	0.500
Reset	Off
? Ref. amplitude 1H	0.000 V

Sequence - Part 1

Introduction	On
Dimension	3D
Reordering	Linear
Contrasts	1
Echo spacing	1.02 ms
Bandwidth	1092 Hz/Px

Sequence - Part 2

EPI factor	52
Segmentation	6
RF pulse type	Normal
Gradient mode	Normal
Excitation	Slab-sel.
RF spoiling	On
Turbo factor	18

Sequence - Special

PATRef FA	3 deg
RF duration	1400 us
RF BWT product	15
Ernst T1	1200 ms
PATRef prep. shots	10
Volume dummy shots	0
Dummy Measurements	0
PATRef averages	2
ETL per RTEB	1
Invert PE_____	Off
Min. TE if PF___	On
Echo Time Shift	On
Ramp Sampling	On
NORDIC_____	Off
SVDPC_____	On
Sym VASO_____	Off
Dual-pol. EPI___	On
Invert RO_____	Off
Invert 3D	Off
Disable PF reco	Off
Disable PF reco	Off
Save sampling	Off
PE VComp	Off
Water Exc.	-none-
External PC	per Series
Saturation RF	per Shot
FIDNavs	-none-
EPI rise time factor	1.00
Mosaic DICOMs	On
Modify Ice Config	Off
Var. FA /MAGEC	0

Sequence - Assistant

Mode	Off

\\USER\FMRIF\[XT-ID:93-M-0170]Renzo\20230424_largeFOV\0p9iso_DPEPI_noRS_noIcepat_ACSmono_BW1092

TA: 6:27 PM: FIX Voxel size: 1.0×1.0×1.0 mmPAT: Off Rel. SNR: 1.00 : ep 2669f94

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

Slab group	1
Slabs	1
Position	R3.2 A15.5 H22.3 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	9633 ms
TE 1	26.10 ms
Averages	1
Filter	None
Coil elements	A32

Contrast - Common

TR 1	80.1 ms
TR 2	9633 ms
TE 1	26.10 ms
Multi-echo spacing	60.1 ms
Magn. preparation	None
Flip angle	25 deg
Fat suppr.	Fat sat.
Magn. Prep. Shots	1

Contrast - Dynamic

Averages	1
Averaging mode	Short term
Reconstruction	Magn./Phase
Measurements	40
Pause after meas. 1	0.0 s
Pause after meas. 2	0.0 s
Pause after meas. 3	0.0 s
Pause after meas. 4	0.0 s
Pause after meas. 5	0.0 s
Pause after meas. 6	0.0 s
Pause after meas. 7	0.0 s
Pause after meas. 8	0.0 s
Pause after meas. 9	0.0 s
Pause after meas. 10	0.0 s
Pause after meas. 11	0.0 s
Pause after meas. 12	0.0 s

Contrast - Dynamic

Pause after meas. 13	0.0 s
Pause after meas. 14	0.0 s
Pause after meas. 15	0.0 s
Pause after meas. 16	0.0 s
Pause after meas. 17	0.0 s
Pause after meas. 18	0.0 s
Pause after meas. 19	0.0 s
Pause after meas. 20	0.0 s
Pause after meas. 21	0.0 s
Pause after meas. 22	0.0 s
Pause after meas. 23	0.0 s
Pause after meas. 24	0.0 s
Pause after meas. 25	0.0 s
Pause after meas. 26	0.0 s
Pause after meas. 27	0.0 s
Pause after meas. 28	0.0 s
Pause after meas. 29	0.0 s
Pause after meas. 30	0.0 s
Pause after meas. 31	0.0 s
Pause after meas. 32	0.0 s
Pause after meas. 33	0.0 s
Pause after meas. 34	0.0 s
Pause after meas. 35	0.0 s
Pause after meas. 36	0.0 s
Pause after meas. 37	0.0 s
Pause after meas. 38	0.0 s
Pause after meas. 39	0.0 s

Resolution - Common

FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
Base resolution	416
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	6/8
Slice partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	None
CAIPI Mode (tooltip)	Skipped-CAIPI

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slab group	1
Slabs	1
Position	R3.2 A15.5 H22.3 mm
Orientation	Transversal

Geometry - Common

Phase enc. dir.	A >> P
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	9633 ms

Geometry - AutoAlign

Slab group	1
Position	R3.2 A15.5 H22.3 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R3.2 A15.5 H22.3
R	3.2 mm
A	15.5 mm
H	22.3 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Saturation mode	Standard
Fat suppr.	Fat sat.

System - Miscellaneous

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	Adaptive Combine
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	R3.2 A15.5 H22.3 mm
! Orientation	Transversal
! Rotation	0.00 deg
! A >> P	194 mm
! R >> L	400 mm
! F >> H	34 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.182092 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Sequence - Part 1

Introduction	On
Dimension	3D
Reordering	Linear
Contrasts	1
Echo spacing	1.14 ms
Bandwidth	1202 Hz/Px

Sequence - Part 2

EPI factor	52
Segmentation	6
RF pulse type	Normal
Gradient mode	Normal
Excitation	Slab-sel.
RF spoiling	On
Turbo factor	108

Sequence - Special

RF duration	1400 us
RF BWT product	15
Ernst T1	1200 ms
Volume dummy shots	0
Dummy Measurements	0
ETL per RTEB	1
Invert PE_____	Off
Min. TE if PF___	On
Echo Time Shift	On
Ramp Sampling	Off
NORDIC_____	Off
SVDPC_____	On
Sym VASO_____	Off
Dual-pol. EPI___	On
Invert RO_____	Off
Invert 3D	Off
Disable PF reco	Off
Disable PF reco	Off
Save sampling	Off
PE VComp	Off
Water Exc.	-none-
External PC	per Series
Saturation RF	per Shot
FIDNavs	-none-
EPI rise time factor	1.00
Mosaic DICOMs	On
Var. FA /MAGEC	0

Sequence - Assistant

Mode	Off

\\USER\FMRIF\[XT-ID:93-M-0170]Renzo\20230424_largeFOV\0p9iso_DPEPI_RS_noIcPat_ACSmono_BW1002

TA: 6:27 PM: FIX Voxel size: 1.0×1.0×1.0 mmPAT: Off Rel. SNR: 1.00 : ep 2669f94

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

Slab group	1
Slabs	1
Position	R3.2 A15.5 H22.3 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	9633 ms
TE 1	26.10 ms
Averages	1
Filter	None
Coil elements	A32

Contrast - Common

TR 1	80.1 ms
TR 2	9633 ms
TE 1	26.10 ms
Multi-echo spacing	60.1 ms
Magn. preparation	None
Flip angle	25 deg
Fat suppr.	Fat sat.
Magn. Prep. Shots	1

Contrast - Dynamic

Averages	1
Averaging mode	Short term
Reconstruction	Magn./Phase
Measurements	40
Pause after meas. 1	0.0 s
Pause after meas. 2	0.0 s
Pause after meas. 3	0.0 s
Pause after meas. 4	0.0 s
Pause after meas. 5	0.0 s
Pause after meas. 6	0.0 s
Pause after meas. 7	0.0 s
Pause after meas. 8	0.0 s
Pause after meas. 9	0.0 s
Pause after meas. 10	0.0 s
Pause after meas. 11	0.0 s
Pause after meas. 12	0.0 s

Contrast - Dynamic

Pause after meas. 13	0.0 s
Pause after meas. 14	0.0 s
Pause after meas. 15	0.0 s
Pause after meas. 16	0.0 s
Pause after meas. 17	0.0 s
Pause after meas. 18	0.0 s
Pause after meas. 19	0.0 s
Pause after meas. 20	0.0 s
Pause after meas. 21	0.0 s
Pause after meas. 22	0.0 s
Pause after meas. 23	0.0 s
Pause after meas. 24	0.0 s
Pause after meas. 25	0.0 s
Pause after meas. 26	0.0 s
Pause after meas. 27	0.0 s
Pause after meas. 28	0.0 s
Pause after meas. 29	0.0 s
Pause after meas. 30	0.0 s
Pause after meas. 31	0.0 s
Pause after meas. 32	0.0 s
Pause after meas. 33	0.0 s
Pause after meas. 34	0.0 s
Pause after meas. 35	0.0 s
Pause after meas. 36	0.0 s
Pause after meas. 37	0.0 s
Pause after meas. 38	0.0 s
Pause after meas. 39	0.0 s

Resolution - Common

FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
Base resolution	416
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	6/8
Slice partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	None
CAIPI Mode (tooltip)	Skipped-CAIPI

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slab group	1
Slabs	1
Position	R3.2 A15.5 H22.3 mm
Orientation	Transversal

Geometry - Common

Phase enc. dir.	A >> P
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	9633 ms

Geometry - AutoAlign

Slab group	1
Position	R3.2 A15.5 H22.3 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R3.2 A15.5 H22.3
R	3.2 mm
A	15.5 mm
H	22.3 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Saturation mode	Standard
Fat suppr.	Fat sat.

System - Miscellaneous

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	Adaptive Combine
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	R3.2 A15.5 H22.3 mm
! Orientation	Transversal
! Rotation	0.00 deg
! A >> P	194 mm
! R >> L	400 mm
! F >> H	34 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.182092 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Sequence - Part 1

Introduction	On
Dimension	3D
Reordering	Linear
Contrasts	1
Echo spacing	1.14 ms
Bandwidth	1002 Hz/Px

Sequence - Part 2

EPI factor	52
Segmentation	6
RF pulse type	Normal
Gradient mode	Normal
Excitation	Slab-sel.
RF spoiling	On
Turbo factor	108

Sequence - Special

RF duration	1400 us
RF BWT product	15
Ernst T1	1200 ms
Volume dummy shots	0
Dummy Measurements	0
ETL per RTEB	1
Invert PE_____	Off
Min. TE if PF___	On
Echo Time Shift	On
Ramp Sampling	On
NORDIC_____	Off
SVDPC_____	On
Sym VASO_____	Off
Dual-pol. EPI___	On
Invert RO_____	Off
Invert 3D	Off
Disable PF reco	Off
Disable PF reco	Off
Save sampling	Off
PE VComp	Off
Water Exc.	-none-
External PC	per Series
Saturation RF	per Shot
FIDNavs	-none-
EPI rise time factor	2.50
Mosaic DICOMs	On
Var. FA /MAGEC	0

Sequence - Assistant

Mode	Off

\\USER\FMRIF\[XT-ID:93-M-0170]Renzo\20230424_largeFOV\0p9iso_DPEPI_RS_noIcPat_ACSmono_BW1092
TA: 6:27 PM: FIX Voxel size: 1.0×1.0×1.0 mmPAT: Off Rel. SNR: 1.00 : ep 2669f94

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

Slab group	1
Slabs	1
Position	R3.2 A15.5 H22.3 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	9633 ms
TE 1	26.10 ms
Averages	1
Filter	None
Coil elements	A32

Contrast - Common

TR 1	80.1 ms
TR 2	9633 ms
TE 1	26.10 ms
Multi-echo spacing	53.9 ms
Magn. preparation	None
Flip angle	25 deg
Fat suppr.	Fat sat.
Magn. Prep. Shots	1

Contrast - Dynamic

Averages	1
Averaging mode	Short term
Reconstruction	Magn./Phase
Measurements	40
Pause after meas. 1	0.0 s
Pause after meas. 2	0.0 s
Pause after meas. 3	0.0 s
Pause after meas. 4	0.0 s
Pause after meas. 5	0.0 s
Pause after meas. 6	0.0 s
Pause after meas. 7	0.0 s
Pause after meas. 8	0.0 s
Pause after meas. 9	0.0 s
Pause after meas. 10	0.0 s
Pause after meas. 11	0.0 s
Pause after meas. 12	0.0 s

Contrast - Dynamic

Pause after meas. 13	0.0 s
Pause after meas. 14	0.0 s
Pause after meas. 15	0.0 s
Pause after meas. 16	0.0 s
Pause after meas. 17	0.0 s
Pause after meas. 18	0.0 s
Pause after meas. 19	0.0 s
Pause after meas. 20	0.0 s
Pause after meas. 21	0.0 s
Pause after meas. 22	0.0 s
Pause after meas. 23	0.0 s
Pause after meas. 24	0.0 s
Pause after meas. 25	0.0 s
Pause after meas. 26	0.0 s
Pause after meas. 27	0.0 s
Pause after meas. 28	0.0 s
Pause after meas. 29	0.0 s
Pause after meas. 30	0.0 s
Pause after meas. 31	0.0 s
Pause after meas. 32	0.0 s
Pause after meas. 33	0.0 s
Pause after meas. 34	0.0 s
Pause after meas. 35	0.0 s
Pause after meas. 36	0.0 s
Pause after meas. 37	0.0 s
Pause after meas. 38	0.0 s
Pause after meas. 39	0.0 s

Resolution - Common

FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
Base resolution	416
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	6/8
Slice partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	None
CAIPI Mode (tooltip)	Skipped-CAIPI

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slab group	1
Slabs	1
Position	R3.2 A15.5 H22.3 mm
Orientation	Transversal

Geometry - Common

Phase enc. dir.	A >> P
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	9633 ms

Geometry - AutoAlign

Slab group	1
Position	R3.2 A15.5 H22.3 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R3.2 A15.5 H22.3
R	3.2 mm
A	15.5 mm
H	22.3 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Saturation mode	Standard
Fat suppr.	Fat sat.

System - Miscellaneous

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	Adaptive Combine
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	R3.2 A15.5 H22.3 mm
! Orientation	Transversal
! Rotation	0.00 deg
! A >> P	194 mm
! R >> L	400 mm
! F >> H	34 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.182092 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	0.500
Reset	Off
? Ref. amplitude 1H	0.000 V

Sequence - Part 1

Introduction	On
Dimension	3D
Reordering	Linear
Contrasts	1
Echo spacing	1.02 ms
Bandwidth	1092 Hz/Px

Sequence - Part 2

EPI factor	52
Segmentation	6
RF pulse type	Normal
Gradient mode	Normal
Excitation	Slab-sel.
RF spoiling	On
Turbo factor	108

Sequence - Special

RF duration	1400 us
RF BWT product	15
Ernst T1	1200 ms
Volume dummy shots	0
Dummy Measurements	0
ETL per RTEB	1
Invert PE_____	Off
Min. TE if PF___	On
Echo Time Shift	On
Ramp Sampling	On
NORDIC_____	Off
SVDPC_____	On
Sym VASO_____	Off
Dual-pol. EPI___	On
Invert RO_____	Off
Invert 3D	Off
Disable PF reco	Off
Disable PF reco	Off
Save sampling	Off
PE VComp	Off
Water Exc.	-none-
External PC	per Series
Saturation RF	per Shot
FIDNavs	-none-
EPI rise time factor	1.00
Mosaic DICOMs	On
Var. FA /MAGEC	0

Sequence - Assistant

Mode	Off

SIEMENS MAGNETOM Terra

\\USER\FMRIF\[XT-ID:93-M-0170]Renzo\20230424_largeFOV\0p9iso_DPEPI_noRS_noIcepat_ACSmono_BW1092_bad_shim

TA: 6:27 PM: FIX Voxel size: 1.0×1.0×1.0 mmPAT: Off Rel. SNR: 1.00 : ep 2669f94

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

Slab group	1
Slabs	1
Position	R3.2 A15.5 H22.3 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	9633 ms
TE 1	26.10 ms
Averages	1
Filter	None
Coil elements	A32

Contrast - Common

TR 1	80.1 ms
TR 2	9633 ms
TE 1	26.10 ms
Multi-echo spacing	60.1 ms
Magn. preparation	None
Flip angle	25 deg
Fat suppr.	Fat sat.
Magn. Prep. Shots	1

Contrast - Dynamic

Averages	1
Averaging mode	Short term
Reconstruction	Magn./Phase
Measurements	40
Pause after meas. 1	0.0 s
Pause after meas. 2	0.0 s
Pause after meas. 3	0.0 s
Pause after meas. 4	0.0 s
Pause after meas. 5	0.0 s
Pause after meas. 6	0.0 s
Pause after meas. 7	0.0 s
Pause after meas. 8	0.0 s
Pause after meas. 9	0.0 s
Pause after meas. 10	0.0 s
Pause after meas. 11	0.0 s
Pause after meas. 12	0.0 s

Contrast - Dynamic

Pause after meas. 13	0.0 s
Pause after meas. 14	0.0 s
Pause after meas. 15	0.0 s
Pause after meas. 16	0.0 s
Pause after meas. 17	0.0 s
Pause after meas. 18	0.0 s
Pause after meas. 19	0.0 s
Pause after meas. 20	0.0 s
Pause after meas. 21	0.0 s
Pause after meas. 22	0.0 s
Pause after meas. 23	0.0 s
Pause after meas. 24	0.0 s
Pause after meas. 25	0.0 s
Pause after meas. 26	0.0 s
Pause after meas. 27	0.0 s
Pause after meas. 28	0.0 s
Pause after meas. 29	0.0 s
Pause after meas. 30	0.0 s
Pause after meas. 31	0.0 s
Pause after meas. 32	0.0 s
Pause after meas. 33	0.0 s
Pause after meas. 34	0.0 s
Pause after meas. 35	0.0 s
Pause after meas. 36	0.0 s
Pause after meas. 37	0.0 s
Pause after meas. 38	0.0 s
Pause after meas. 39	0.0 s

Resolution - Common

FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
Base resolution	416
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	6/8
Slice partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	None
CAIPI Mode (tooltip)	Skipped-CAIPI

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slab group	1
Slabs	1
Position	R3.2 A15.5 H22.3 mm
Orientation	Transversal

Geometry - Common

Phase enc. dir.	A >> P
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	9633 ms

Geometry - AutoAlign

Slab group	1
Position	R3.2 A15.5 H22.3 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R3.2 A15.5 H22.3
R	3.2 mm
A	15.5 mm
H	22.3 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Saturation mode	Standard
Fat suppr.	Fat sat.

System - Miscellaneous

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	Adaptive Combine
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	R3.2 A15.5 H22.3 mm
! Orientation	Transversal
! Rotation	0.00 deg
! A >> P	194 mm
! R >> L	400 mm
! F >> H	34 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.182092 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Sequence - Part 1

Introduction	On
Dimension	3D
Reordering	Linear
Contrasts	1
Echo spacing	1.14 ms
Bandwidth	1202 Hz/Px

Sequence - Part 2

EPI factor	52
Segmentation	6
RF pulse type	Normal
Gradient mode	Normal
Excitation	Slab-sel.
RF spoiling	On
Turbo factor	108

Sequence - Special

RF duration	1400 us
RF BWT product	15
Ernst T1	1200 ms
Volume dummy shots	0
Dummy Measurements	0
ETL per RTEB	1
Invert PE_____	Off
Min. TE if PF___	On
Echo Time Shift	On
Ramp Sampling	Off
NORDIC_____	Off
SVDPC_____	On
Sym VASO_____	Off
Dual-pol. EPI___	On
Invert RO_____	Off
Invert 3D	Off
Disable PF reco	Off
Disable PF reco	Off
Save sampling	Off
PE VComp	Off
Water Exc.	-none-
External PC	per Series
Saturation RF	per Shot
FIDNavs	-none-
EPI rise time factor	1.00
Mosaic DICOMs	On
Var. FA /MAGEC	0

Sequence - Assistant

Mode	Off

SIEMENS MAGNETOM Terra

\\USER\FMRIF\[XT-ID:93-M-0170]Renzo\20230424_largeFOV\executed_onTAT

TA: 2:25 PM: FIX Voxel size: 0.2×0.2×2.5 mmPAT: 3 Rel. SNR: 1.00 : tir

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	17
Dist. factor	30 %
Position	L13.2 P1.5 F19.9 mm
Orientation	S > T-4.5
Phase enc. dir.	A >> P
AutoAlign	---
Phase oversampling	0 %
FoV read	160 mm
FoV phase	100.0 %
Slice thickness	2.5 mm
TR	8500.0 ms
TE	24 ms
Averages	1
Concatenations	1
Filter	None
Coil elements	CSP

Contrast - Common

TR	8500.0 ms
TE	24 ms
MTC	Off
Magn. preparation	Slice-sel. IR
TI	350 ms
Flip angle	180 deg
Fat suppr.	None
Water suppr.	None
Restore magn.	Off
Freeze suppressed tissue	Off

Contrast - Dynamic

Averages	1
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	1
Multiple series	Each measurement

Resolution - Common

FoV read	160 mm
FoV phase	100.0 %
Slice thickness	2.5 mm
Base resolution	368
Phase resolution	100 %
Phase partial Fourier	Off
Trajectory	Cartesian
Interpolation	On

Resolution - iPAT

PAT mode	GRAPPA
Accel. factor PE	3
Ref. lines PE	32
Reference scan mode	Integrated

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slice group	1
Slices	17
Dist. factor	30 %
Position	L13.2 P1.5 F19.9 mm
Orientation	S > T-4.5
Phase enc. dir.	A >> P
FoV read	160 mm
FoV phase	100.0 %
Slice thickness	2.5 mm
TR	8500.0 ms
Multi-slice mode	Interleaved
Series	Interleaved
Concatenations	1

Geometry - AutoAlign

Slice group	1
Position	L13.2 P1.5 F19.9 mm
Orientation	S > T-4.5
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	L13.2 P1.5 F19.9
L	13.2 mm
P	1.5 mm
F	19.9 mm
Initial Rotation	0.00 deg
Initial Orientation	S > T
S > T	-4.5
> C	0.0

Geometry - Saturation

Fat suppr.	None
Water suppr.	None
Restore magn.	Off
Special sat.	None

Geometry - Navigator

Geometry - Tim CT

Tim CT mode	Off
Slices	17
Slice thickness	2.5 mm
Dist. factor	30 %
FoV read	160 mm

Geometry - Tim CT

FoV phase	100.0 %

System - Miscellaneous

Positioning mode	FIX
Table position	F
Table position	0 mm
MSMA	S - C - T
Sagittal	L >> R
Coronal	P >> A
Transversal	F >> H
Coil Combine Mode	Sum of Squares
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	L12.6 A10.0 F27.7 mm
! Orientation	S > T-4.5 > C0.5
! Rotation	-6.72 deg
! A >> P	42 mm
! F >> H	139 mm
! R >> L	38 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.182092 MHz
Correction factor	1
Gain	High
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Physio - Signal1

1st Signal/Mode	None
TR	8500.0 ms
Concatenations	1

Physio - Cardiac

Magn. preparation	Slice-sel. IR
TI	350 ms
Fat suppr.	None
Dark blood	Off
FoV read	160 mm
FoV phase	100.0 %
Phase resolution	100 %
Trajectory	Cartesian

Physio - PACE

Resp. control	Off
Concatenations	1

Inline - Common

Subtract	Off
Measurements	1

Inline - Common

StdDev	Off
Save original images	On

Inline - MIP

MIP-Sag	Off
MIP-Cor	Off
MIP-Tra	Off
MIP-Time	Off
Save original images	On

Inline - Composing

Distortion Corr.	Off

Sequence - Part 1

Introduction	Off
Dimension	2D
Compensate T2 decay	Off
Reduce Motion Sens.	Off
Contrasts	1
Flow comp.	No
Optimization	In phase
Multi-slice mode	Interleaved
Free echo spacing	Off
Echo spacing	11.8 ms
Bandwidth	261 Hz/Px

Sequence - Part 2

Define	Turbo factor
Echo trains per slice	16
Phase correction	Automatic
Acoustic noise reduction	None
RF pulse type	Normal
Gradient mode	Fast
Hyperecho	Off
WARP	Off
Red. EC sensitivity	Off
Turbo factor	9

Sequence - Assistant

Mode	Min flip angle
Min flip angle	150 deg
Allowed delay	0 s

SIEMENS MAGNETOM Terra

\\USER\FMRIF\[XT-ID:93-M-0170]Renzo\20230424_largeFOV\0p9iso_DPEPI_noRS_noIcepat_ACSmono_BW1092

TA: 6:27 PM: FIX Voxel size: 1.0×1.0×1.0 mmPAT: Off Rel. SNR: 1.00 : ep 2669f94

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

Slab group	1
Slabs	1
Position	R3.2 A12.6 H9.7 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	9633 ms
TE 1	26.10 ms
Averages	1
Filter	None
Coil elements	A32

Contrast - Common

TR 1	80.1 ms
TR 2	9633 ms
TE 1	26.10 ms
Multi-echo spacing	60.1 ms
Magn. preparation	None
Flip angle	25 deg
Fat suppr.	Fat sat.
Magn. Prep. Shots	1

Contrast - Dynamic

Averages	1
Averaging mode	Short term
Reconstruction	Magn./Phase
Measurements	40
Pause after meas. 1	0.0 s
Pause after meas. 2	0.0 s
Pause after meas. 3	0.0 s
Pause after meas. 4	0.0 s
Pause after meas. 5	0.0 s
Pause after meas. 6	0.0 s
Pause after meas. 7	0.0 s
Pause after meas. 8	0.0 s
Pause after meas. 9	0.0 s
Pause after meas. 10	0.0 s
Pause after meas. 11	0.0 s
Pause after meas. 12	0.0 s

Contrast - Dynamic

Pause after meas. 13	0.0 s
Pause after meas. 14	0.0 s
Pause after meas. 15	0.0 s
Pause after meas. 16	0.0 s
Pause after meas. 17	0.0 s
Pause after meas. 18	0.0 s
Pause after meas. 19	0.0 s
Pause after meas. 20	0.0 s
Pause after meas. 21	0.0 s
Pause after meas. 22	0.0 s
Pause after meas. 23	0.0 s
Pause after meas. 24	0.0 s
Pause after meas. 25	0.0 s
Pause after meas. 26	0.0 s
Pause after meas. 27	0.0 s
Pause after meas. 28	0.0 s
Pause after meas. 29	0.0 s
Pause after meas. 30	0.0 s
Pause after meas. 31	0.0 s
Pause after meas. 32	0.0 s
Pause after meas. 33	0.0 s
Pause after meas. 34	0.0 s
Pause after meas. 35	0.0 s
Pause after meas. 36	0.0 s
Pause after meas. 37	0.0 s
Pause after meas. 38	0.0 s
Pause after meas. 39	0.0 s

Resolution - Common

FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
Base resolution	416
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	6/8
Slice partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	None
CAIPI Mode (tooltip)	Skipped-CAIPI

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slab group	1
Slabs	1
Position	R3.2 A12.6 H9.7 mm
Orientation	Transversal

Geometry - Common

Phase enc. dir.	A >> P
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	9633 ms

Geometry - AutoAlign

Slab group	1
Position	R3.2 A12.6 H9.7 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R3.2 A12.6 H9.7
R	3.2 mm
A	12.6 mm
H	9.7 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Saturation mode	Standard
Fat suppr.	Fat sat.

System - Miscellaneous

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	Adaptive Combine
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	R3.2 A7.8 H5.9 mm
! Orientation	Transversal
! Rotation	0.00 deg
! A >> P	194 mm
! R >> L	177 mm
! F >> H	34 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.182092 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Sequence - Part 1

Introduction	On
Dimension	3D
Reordering	Linear
Contrasts	1
Echo spacing	1.14 ms
Bandwidth	1202 Hz/Px

Sequence - Part 2

EPI factor	52
Segmentation	6
RF pulse type	Normal
Gradient mode	Normal
Excitation	Slab-sel.
RF spoiling	On
Turbo factor	108

Sequence - Special

RF duration	1400 us
RF BWT product	15
Ernst T1	1200 ms
Volume dummy shots	0
Dummy Measurements	0
ETL per RTEB	1
Invert PE_____	Off
Min. TE if PF___	On
Echo Time Shift	On
Ramp Sampling	Off
NORDIC_____	Off
SVDPC_____	On
Sym VASO_____	Off
Dual-pol. EPI___	On
Invert RO_____	Off
Invert 3D	Off
Disable PF reco	Off
Disable PF reco	Off
Save sampling	Off
PE VComp	Off
Water Exc.	-none-
External PC	per Series
Saturation RF	per Shot
FIDNavs	-none-
EPI rise time factor	1.00
Mosaic DICOMs	On
Var. FA /MAGEC	0

Sequence - Assistant

Mode	Off

SIEMENS MAGNETOM Terra

\\USER\FMRIF\[XT-ID:93-M-0170]Renzo\20230424_largeFOV\0p9iso_DPEPI_RS_noIcPat_ACSmono_BW1002

TA: 6:27 PM: FIX Voxel size: 1.0×1.0×1.0 mmPAT: Off Rel. SNR: 1.00 : ep 2669f94

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

Slab group	1
Slabs	1
Position	R3.2 A12.6 H9.7 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	9633 ms
TE 1	26.10 ms
Averages	1
Filter	None
Coil elements	A32

Contrast - Common

TR 1	80.1 ms
TR 2	9633 ms
TE 1	26.10 ms
Multi-echo spacing	60.1 ms
Magn. preparation	None
Flip angle	25 deg
Fat suppr.	Fat sat.
Magn. Prep. Shots	1

Contrast - Dynamic

Averages	1
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	40
Pause after meas. 1	0.0 s
Pause after meas. 2	0.0 s
Pause after meas. 3	0.0 s
Pause after meas. 4	0.0 s
Pause after meas. 5	0.0 s
Pause after meas. 6	0.0 s
Pause after meas. 7	0.0 s
Pause after meas. 8	0.0 s
Pause after meas. 9	0.0 s
Pause after meas. 10	0.0 s
Pause after meas. 11	0.0 s
Pause after meas. 12	0.0 s

Contrast - Dynamic

Pause after meas. 13	0.0 s
Pause after meas. 14	0.0 s
Pause after meas. 15	0.0 s
Pause after meas. 16	0.0 s
Pause after meas. 17	0.0 s
Pause after meas. 18	0.0 s
Pause after meas. 19	0.0 s
Pause after meas. 20	0.0 s
Pause after meas. 21	0.0 s
Pause after meas. 22	0.0 s
Pause after meas. 23	0.0 s
Pause after meas. 24	0.0 s
Pause after meas. 25	0.0 s
Pause after meas. 26	0.0 s
Pause after meas. 27	0.0 s
Pause after meas. 28	0.0 s
Pause after meas. 29	0.0 s
Pause after meas. 30	0.0 s
Pause after meas. 31	0.0 s
Pause after meas. 32	0.0 s
Pause after meas. 33	0.0 s
Pause after meas. 34	0.0 s
Pause after meas. 35	0.0 s
Pause after meas. 36	0.0 s
Pause after meas. 37	0.0 s
Pause after meas. 38	0.0 s
Pause after meas. 39	0.0 s

Resolution - Common

FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
Base resolution	416
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	6/8
Slice partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	None
CAIPI Mode (tooltip)	Skipped-CAIPI

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slab group	1
Slabs	1
Position	R3.2 A12.6 H9.7 mm
Orientation	Transversal

Geometry - Common

Phase enc. dir.	A >> P
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	9633 ms

Geometry - AutoAlign

Slab group	1
Position	R3.2 A12.6 H9.7 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R3.2 A12.6 H9.7
R	3.2 mm
A	12.6 mm
H	9.7 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Saturation mode	Standard
Fat suppr.	Fat sat.

System - Miscellaneous

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	Adaptive Combine
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	R3.2 A7.8 H5.9 mm
! Orientation	Transversal
! Rotation	0.00 deg
! A >> P	194 mm
! R >> L	177 mm
! F >> H	34 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.182092 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Sequence - Part 1

Introduction	On
Dimension	3D
Reordering	Linear
Contrasts	1
Echo spacing	1.14 ms
Bandwidth	1002 Hz/Px

Sequence - Part 2

EPI factor	52
Segmentation	6
RF pulse type	Normal
Gradient mode	Normal
Excitation	Slab-sel.
RF spoiling	On
Turbo factor	108

Sequence - Special

RF duration	1400 us
RF BWT product	15
Ernst T1	1200 ms
Volume dummy shots	0
Dummy Measurements	0
ETL per RTEB	1
Invert PE_____	Off
Min. TE if PF___	On
Echo Time Shift	On
Ramp Sampling	On
NORDIC_____	Off
SVDPC_____	On
Sym VASO_____	Off
Dual-pol. EPI___	On
Invert RO_____	Off
Invert 3D	Off
Disable PF reco	Off
Disable PF reco	Off
Save sampling	Off
PE VComp	Off
Water Exc.	-none-
External PC	per Series
Saturation RF	per Shot
FIDNavs	-none-
EPI rise time factor	2.50
Mosaic DICOMs	On
Var. FA /MAGEC	0

Sequence - Assistant

Mode	Off

\\USER\FMRIF\[XT-ID:93-M-0170]Renzo\20230424_largeFOV\0p9iso_DPEPI_RS_lcPat6_ACSmono_BW1092
TA: 1:10 PM: FIX Voxel size: 1.0×1.0×1.0 mmPAT: 6 Rel. SNR: 1.00 : ep 2669f94

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

Slab group	1
Slabs	1
Position	R3.2 A12.6 H9.7 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	1605 ms
TE 1	26.10 ms
Averages	1
Filter	None
Coil elements	A32

Contrast - Common

TR 1	80.1 ms
TR 2	1605 ms
TE 1	26.10 ms
Multi-echo spacing	53.9 ms
Magn. preparation	None
Flip angle	25 deg
Fat suppr.	Fat sat.
Magn. Prep. Shots	1

Contrast - Dynamic

Averages	1
Averaging mode	Short term
Reconstruction	Magn./Phase
Measurements	40
Pause after meas. 1	0.0 s
Pause after meas. 2	0.0 s
Pause after meas. 3	0.0 s
Pause after meas. 4	0.0 s
Pause after meas. 5	0.0 s
Pause after meas. 6	0.0 s
Pause after meas. 7	0.0 s
Pause after meas. 8	0.0 s
Pause after meas. 9	0.0 s
Pause after meas. 10	0.0 s
Pause after meas. 11	0.0 s
Pause after meas. 12	0.0 s

Contrast - Dynamic

Pause after meas. 13	0.0 s
Pause after meas. 14	0.0 s
Pause after meas. 15	0.0 s
Pause after meas. 16	0.0 s
Pause after meas. 17	0.0 s
Pause after meas. 18	0.0 s
Pause after meas. 19	0.0 s
Pause after meas. 20	0.0 s
Pause after meas. 21	0.0 s
Pause after meas. 22	0.0 s
Pause after meas. 23	0.0 s
Pause after meas. 24	0.0 s
Pause after meas. 25	0.0 s
Pause after meas. 26	0.0 s
Pause after meas. 27	0.0 s
Pause after meas. 28	0.0 s
Pause after meas. 29	0.0 s
Pause after meas. 30	0.0 s
Pause after meas. 31	0.0 s
Pause after meas. 32	0.0 s
Pause after meas. 33	0.0 s
Pause after meas. 34	0.0 s
Pause after meas. 35	0.0 s
Pause after meas. 36	0.0 s
Pause after meas. 37	0.0 s
Pause after meas. 38	0.0 s
Pause after meas. 39	0.0 s

Resolution - Common

FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
Base resolution	416
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	6/8
Slice partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	CAIPIRINHA
Acc. factor PE	1
Ref. lines PE	24
Acc. factor 3D	6
Ref. lines 3D	18
CAIPI 3D Shift	1
Reference Scan Mode	GRE/monopolar
CAIPI Mode (tooltip)	Skipped-CAIPI
Total PAT factor	6

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off

Resolution - Filter Rawdata

Elliptical filter	Off

Geometry - Common

Slab group	1
Slabs	1
Position	R3.2 A12.6 H9.7 mm
Orientation	Transversal
Phase enc. dir.	A >> P
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	1605 ms

Geometry - AutoAlign

Slab group	1
Position	R3.2 A12.6 H9.7 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R3.2 A12.6 H9.7
R	3.2 mm
A	12.6 mm
H	9.7 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Saturation mode	Standard
Fat suppr.	Fat sat.

System - Miscellaneous

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
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	R3.2 A7.8 H5.9 mm
! Orientation	Transversal
! Rotation	0.00 deg
! A >> P	194 mm
! R >> L	177 mm
! F >> H	34 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.182092 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	0.500
Reset	Off
? Ref. amplitude 1H	0.000 V

Sequence - Part 1

Introduction	On
Dimension	3D
Reordering	Linear
Contrasts	1
Echo spacing	1.02 ms
Bandwidth	1092 Hz/Px

Sequence - Part 2

EPI factor	52
Segmentation	6
RF pulse type	Normal
Gradient mode	Normal
Excitation	Slab-sel.
RF spoiling	On
Turbo factor	18

Sequence - Special

PATRef FA	3 deg
RF duration	1400 us
RF BWT product	15
Ernst T1	1200 ms
PATRef prep. shots	10
Volume dummy shots	0
Dummy Measurements	0
PATRef averages	2
ETL per RTEB	1
Invert PE_____	Off
Min. TE if PF___	On
Echo Time Shift	On
Ramp Sampling	On
NORDIC_____	Off
SVDPC_____	On
Sym VASO_____	Off
Dual-pol. EPI___	On
Invert RO_____	Off
Invert 3D	Off
Disable PF reco	Off
Disable PF reco	Off
Save sampling	Off
PE VComp	Off
Water Exc.	-none-
External PC	per Series
Saturation RF	per Shot
FIDNavs	-none-
EPI rise time factor	1.00
Mosaic DICOMs	On
Modify Ice Config	Off
Var. FA /MAGEC	0

Sequence - Assistant

Mode	Off

\\USER\FMRIF\[XT-ID:93-M-0170]Renzo\20230424_largeFOV\0p9iso_bad_shim_DPEPI_noRS_noIcep at_ACSmono_BW1092

TA: 6:27 PM: FIX Voxel size: 1.0×1.0×1.0 mmPAT: Off Rel. SNR: 1.00 : ep 2669f94

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

Slab group	1
Slabs	1
Position	R3.2 A12.6 H9.7 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	9633 ms
TE 1	26.10 ms
Averages	1
Filter	None
Coil elements	A32

Contrast - Common

TR 1	80.1 ms
TR 2	9633 ms
TE 1	26.10 ms
Multi-echo spacing	60.1 ms
Magn. preparation	None
Flip angle	25 deg
Fat suppr.	Fat sat.
Magn. Prep. Shots	1

Contrast - Dynamic

Averages	1
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	40
Pause after meas. 1	0.0 s
Pause after meas. 2	0.0 s
Pause after meas. 3	0.0 s
Pause after meas. 4	0.0 s
Pause after meas. 5	0.0 s
Pause after meas. 6	0.0 s
Pause after meas. 7	0.0 s
Pause after meas. 8	0.0 s
Pause after meas. 9	0.0 s
Pause after meas. 10	0.0 s
Pause after meas. 11	0.0 s
Pause after meas. 12	0.0 s

Contrast - Dynamic

Pause after meas. 13	0.0 s
Pause after meas. 14	0.0 s
Pause after meas. 15	0.0 s
Pause after meas. 16	0.0 s
Pause after meas. 17	0.0 s
Pause after meas. 18	0.0 s
Pause after meas. 19	0.0 s
Pause after meas. 20	0.0 s
Pause after meas. 21	0.0 s
Pause after meas. 22	0.0 s
Pause after meas. 23	0.0 s
Pause after meas. 24	0.0 s
Pause after meas. 25	0.0 s
Pause after meas. 26	0.0 s
Pause after meas. 27	0.0 s
Pause after meas. 28	0.0 s
Pause after meas. 29	0.0 s
Pause after meas. 30	0.0 s
Pause after meas. 31	0.0 s
Pause after meas. 32	0.0 s
Pause after meas. 33	0.0 s
Pause after meas. 34	0.0 s
Pause after meas. 35	0.0 s
Pause after meas. 36	0.0 s
Pause after meas. 37	0.0 s
Pause after meas. 38	0.0 s
Pause after meas. 39	0.0 s

Resolution - Common

FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
Base resolution	416
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	6/8
Slice partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	None
CAIPI Mode (tooltip)	Skipped-CAIPI

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slab group	1
Slabs	1
Position	R3.2 A12.6 H9.7 mm
Orientation	Transversal

Geometry - Common

Phase enc. dir.	A >> P
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	9633 ms

Geometry - AutoAlign

Slab group	1
Position	R3.2 A12.6 H9.7 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R3.2 A12.6 H9.7
R	3.2 mm
A	12.6 mm
H	9.7 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Saturation mode	Standard
Fat suppr.	Fat sat.

System - Miscellaneous

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	Adaptive Combine
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	R3.2 A7.8 H5.9 mm
! Orientation	Transversal
! Rotation	0.00 deg
! A >> P	194 mm
! R >> L	177 mm
! F >> H	34 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.182092 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Sequence - Part 1

Introduction	On
Dimension	3D
Reordering	Linear
Contrasts	1
Echo spacing	1.14 ms
Bandwidth	1202 Hz/Px

Sequence - Part 2

EPI factor	52
Segmentation	6
RF pulse type	Normal
Gradient mode	Normal
Excitation	Slab-sel.
RF spoiling	On
Turbo factor	108

Sequence - Special

RF duration	1400 us
RF BWT product	15
Ernst T1	1200 ms
Volume dummy shots	0
Dummy Measurements	0
ETL per RTEB	1
Invert PE_____	Off
Min. TE if PF___	On
Echo Time Shift	On
Ramp Sampling	Off
NORDIC_____	Off
SVDPC_____	On
Sym VASO_____	Off
Dual-pol. EPI___	On
Invert RO_____	Off
Invert 3D	Off
Disable PF reco	Off
Disable PF reco	Off
Save sampling	Off
PE VComp	Off
Water Exc.	-none-
External PC	per Series
Saturation RF	per Shot
FIDNavs	-none-
EPI rise time factor	1.00
Mosaic DICOMs	On
Var. FA /MAGEC	0

Sequence - Assistant

Mode	Off

\\USER\FMRIF\[XT-ID:93-M-0170]Renzo\20230424_largeFOV\0p9iso_bad_shim2_DPEPI_noRS_noIce pat_ACSmono_BW1092

TA: 6:27 PM: FIX Voxel size: 1.0×1.0×1.0 mmPAT: Off Rel. SNR: 1.00 : ep 2669f94

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

Slab group	1
Slabs	1
Position	R3.2 A12.6 H9.7 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	9633 ms
TE 1	26.10 ms
Averages	1
Filter	None
Coil elements	A32

Contrast - Common

TR 1	80.1 ms
TR 2	9633 ms
TE 1	26.10 ms
Multi-echo spacing	60.1 ms
Magn. preparation	None
Flip angle	25 deg
Fat suppr.	Fat sat.
Magn. Prep. Shots	1

Contrast - Dynamic

Averages	1
Averaging mode	Short term
Reconstruction	Magnitude
Measurements	40
Pause after meas. 1	0.0 s
Pause after meas. 2	0.0 s
Pause after meas. 3	0.0 s
Pause after meas. 4	0.0 s
Pause after meas. 5	0.0 s
Pause after meas. 6	0.0 s
Pause after meas. 7	0.0 s
Pause after meas. 8	0.0 s
Pause after meas. 9	0.0 s
Pause after meas. 10	0.0 s
Pause after meas. 11	0.0 s
Pause after meas. 12	0.0 s

Contrast - Dynamic

Pause after meas. 13	0.0 s
Pause after meas. 14	0.0 s
Pause after meas. 15	0.0 s
Pause after meas. 16	0.0 s
Pause after meas. 17	0.0 s
Pause after meas. 18	0.0 s
Pause after meas. 19	0.0 s
Pause after meas. 20	0.0 s
Pause after meas. 21	0.0 s
Pause after meas. 22	0.0 s
Pause after meas. 23	0.0 s
Pause after meas. 24	0.0 s
Pause after meas. 25	0.0 s
Pause after meas. 26	0.0 s
Pause after meas. 27	0.0 s
Pause after meas. 28	0.0 s
Pause after meas. 29	0.0 s
Pause after meas. 30	0.0 s
Pause after meas. 31	0.0 s
Pause after meas. 32	0.0 s
Pause after meas. 33	0.0 s
Pause after meas. 34	0.0 s
Pause after meas. 35	0.0 s
Pause after meas. 36	0.0 s
Pause after meas. 37	0.0 s
Pause after meas. 38	0.0 s
Pause after meas. 39	0.0 s

Resolution - Common

FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
Base resolution	416
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	6/8
Slice partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	None
CAIPI Mode (tooltip)	Skipped-CAIPI

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off
Elliptical filter	Off

Geometry - Common

Slab group	1
Slabs	1
Position	R3.2 A12.6 H9.7 mm
Orientation	Transversal

Geometry - Common

Phase enc. dir.	A >> P
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	9633 ms

Geometry - AutoAlign

Slab group	1
Position	R3.2 A12.6 H9.7 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R3.2 A12.6 H9.7
R	3.2 mm
A	12.6 mm
H	9.7 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Saturation mode	Standard
Fat suppr.	Fat sat.

System - Miscellaneous

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	Adaptive Combine
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	R3.2 A7.8 H5.9 mm
! Orientation	Transversal
! Rotation	0.00 deg
! A >> P	194 mm
! R >> L	177 mm
! F >> H	34 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.182092 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	1.000
Reset	Off
? Ref. amplitude 1H	0.000 V

Sequence - Part 1

Introduction	On
Dimension	3D
Reordering	Linear
Contrasts	1
Echo spacing	1.14 ms
Bandwidth	1202 Hz/Px

Sequence - Part 2

EPI factor	52
Segmentation	6
RF pulse type	Normal
Gradient mode	Normal
Excitation	Slab-sel.
RF spoiling	On
Turbo factor	108

Sequence - Special

RF duration	1400 us
RF BWT product	15
Ernst T1	1200 ms
Volume dummy shots	0
Dummy Measurements	0
ETL per RTEB	1
Invert PE_____	Off
Min. TE if PF___	On
Echo Time Shift	On
Ramp Sampling	Off
NORDIC_____	Off
SVDPC_____	On
Sym VASO_____	Off
Dual-pol. EPI___	On
Invert RO_____	Off
Invert 3D	Off
Disable PF reco	Off
Disable PF reco	Off
Save sampling	Off
PE VComp	Off
Water Exc.	-none-
External PC	per Series
Saturation RF	per Shot
FIDNavs	-none-
EPI rise time factor	1.00
Mosaic DICOMs	On
Var. FA /MAGEC	0

Sequence - Assistant

Mode	Off

\\USER\FMRIF\[XT-ID:93-M-0170]Renzo\20230424_largeFOV\0p9iso_DPEPI_RS_lcPat6_ACSmono_BW924

TA: 1:10 PM: FIX Voxel size: 1.0×1.0×1.0 mmPAT: 6 Rel. SNR: 1.00 : ep 2669f94

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

Slab group	1
Slabs	1
Position	R3.2 A12.6 H9.7 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	1605 ms
TE 1	26.10 ms
Averages	1
Filter	None
Coil elements	A32

Contrast - Common

TR 1	80.1 ms
TR 2	1605 ms
TE 1	26.10 ms
Multi-echo spacing	62.7 ms
Magn. preparation	None
Flip angle	25 deg
Fat suppr.	Fat sat.
Magn. Prep. Shots	1

Contrast - Dynamic

Averages	1
Averaging mode	Short term
Reconstruction	Magn./Phase
Measurements	40
Pause after meas. 1	0.0 s
Pause after meas. 2	0.0 s
Pause after meas. 3	0.0 s
Pause after meas. 4	0.0 s
Pause after meas. 5	0.0 s
Pause after meas. 6	0.0 s
Pause after meas. 7	0.0 s
Pause after meas. 8	0.0 s
Pause after meas. 9	0.0 s
Pause after meas. 10	0.0 s
Pause after meas. 11	0.0 s
Pause after meas. 12	0.0 s

Contrast - Dynamic

Pause after meas. 13	0.0 s
Pause after meas. 14	0.0 s
Pause after meas. 15	0.0 s
Pause after meas. 16	0.0 s
Pause after meas. 17	0.0 s
Pause after meas. 18	0.0 s
Pause after meas. 19	0.0 s
Pause after meas. 20	0.0 s
Pause after meas. 21	0.0 s
Pause after meas. 22	0.0 s
Pause after meas. 23	0.0 s
Pause after meas. 24	0.0 s
Pause after meas. 25	0.0 s
Pause after meas. 26	0.0 s
Pause after meas. 27	0.0 s
Pause after meas. 28	0.0 s
Pause after meas. 29	0.0 s
Pause after meas. 30	0.0 s
Pause after meas. 31	0.0 s
Pause after meas. 32	0.0 s
Pause after meas. 33	0.0 s
Pause after meas. 34	0.0 s
Pause after meas. 35	0.0 s
Pause after meas. 36	0.0 s
Pause after meas. 37	0.0 s
Pause after meas. 38	0.0 s
Pause after meas. 39	0.0 s

Resolution - Common

FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
Base resolution	416
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	6/8
Slice partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	CAIPIRINHA
Acc. factor PE	1
Ref. lines PE	24
Acc. factor 3D	6
Ref. lines 3D	18
CAIPI 3D Shift	1
Reference Scan Mode	GRE/monopolar
CAIPI Mode (tooltip)	Skipped-CAIPI
Total PAT factor	6

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off

Resolution - Filter Rawdata

Elliptical filter	Off

Geometry - Common

Slab group	1
Slabs	1
Position	R3.2 A12.6 H9.7 mm
Orientation	Transversal
Phase enc. dir.	A >> P
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	1605 ms

Geometry - AutoAlign

Slab group	1
Position	R3.2 A12.6 H9.7 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R3.2 A12.6 H9.7
R	3.2 mm
A	12.6 mm
H	9.7 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Saturation mode	Standard
Fat suppr.	Fat sat.

System - Miscellaneous

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
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	R3.2 A7.8 H5.9 mm
! Orientation	Transversal
! Rotation	0.00 deg
! A >> P	194 mm
! R >> L	177 mm
! F >> H	34 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.182092 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	0.500
Reset	Off
? Ref. amplitude 1H	0.000 V

Sequence - Part 1

Introduction	On
Dimension	3D
Reordering	Linear
Contrasts	1
Echo spacing	1.19 ms
Bandwidth	924 Hz/Px

Sequence - Part 2

EPI factor	52
Segmentation	6
RF pulse type	Normal
Gradient mode	Normal
Excitation	Slab-sel.
RF spoiling	On
Turbo factor	18

Sequence - Special

PATRef FA	3 deg
RF duration	1400 us
RF BWT product	15
Ernst T1	1200 ms
PATRef prep. shots	10
Volume dummy shots	0
Dummy Measurements	0
PATRef averages	2
ETL per RTEB	1
Invert PE_____	Off
Min. TE if PF___	On
Echo Time Shift	On
Ramp Sampling	On
NORDIC_____	Off
SVDPC_____	On
Sym VASO_____	Off
Dual-pol. EPI___	On
Invert RO_____	Off
Invert 3D	Off
Disable PF reco	Off
Disable PF reco	Off
Save sampling	Off
PE VComp	Off
Water Exc.	-none-
External PC	per Series
Saturation RF	per Shot
FIDNavs	-none-
EPI rise time factor	1.00
Mosaic DICOMs	On
Modify Ice Config	Off
Var. FA /MAGEC	0

Sequence - Assistant

Mode	Off

\\USER\FMRIF\[XT-ID:93-M-0170]Renzo\20230424_largeFOV\0p9iso_DPEPI_RS_proper_shimIcPat6_ ACSmono_BW924

TA: 1:10 PM: FIX Voxel size: 1.0×1.0×1.0 mmPAT: 6 Rel. SNR: 1.00 : ep 2669f94

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

Slab group	1
Slabs	1
Position	R3.2 A12.6 H9.7 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	1605 ms
TE 1	26.10 ms
Averages	1
Filter	None
Coil elements	A32

Contrast - Common

TR 1	80.1 ms
TR 2	1605 ms
TE 1	26.10 ms
Multi-echo spacing	62.7 ms
Magn. preparation	None
Flip angle	25 deg
Fat suppr.	Fat sat.
Magn. Prep. Shots	1

Contrast - Dynamic

Averages	1
Averaging mode	Short term
Reconstruction	Magn./Phase
Measurements	40
Pause after meas. 1	0.0 s
Pause after meas. 2	0.0 s
Pause after meas. 3	0.0 s
Pause after meas. 4	0.0 s
Pause after meas. 5	0.0 s
Pause after meas. 6	0.0 s
Pause after meas. 7	0.0 s
Pause after meas. 8	0.0 s
Pause after meas. 9	0.0 s
Pause after meas. 10	0.0 s
Pause after meas. 11	0.0 s
Pause after meas. 12	0.0 s

Contrast - Dynamic

Pause after meas. 13	0.0 s
Pause after meas. 14	0.0 s
Pause after meas. 15	0.0 s
Pause after meas. 16	0.0 s
Pause after meas. 17	0.0 s
Pause after meas. 18	0.0 s
Pause after meas. 19	0.0 s
Pause after meas. 20	0.0 s
Pause after meas. 21	0.0 s
Pause after meas. 22	0.0 s
Pause after meas. 23	0.0 s
Pause after meas. 24	0.0 s
Pause after meas. 25	0.0 s
Pause after meas. 26	0.0 s
Pause after meas. 27	0.0 s
Pause after meas. 28	0.0 s
Pause after meas. 29	0.0 s
Pause after meas. 30	0.0 s
Pause after meas. 31	0.0 s
Pause after meas. 32	0.0 s
Pause after meas. 33	0.0 s
Pause after meas. 34	0.0 s
Pause after meas. 35	0.0 s
Pause after meas. 36	0.0 s
Pause after meas. 37	0.0 s
Pause after meas. 38	0.0 s
Pause after meas. 39	0.0 s

Resolution - Common

FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
Base resolution	416
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	6/8
Slice partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	CAIPIRINHA
Acc. factor PE	1
Ref. lines PE	24
Acc. factor 3D	6
Ref. lines 3D	18
CAIPI 3D Shift	1
Reference Scan Mode	GRE/monopolar
CAIPI Mode (tooltip)	Skipped-CAIPI
Total PAT factor	6

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off

Resolution - Filter Rawdata

Elliptical filter	Off

Geometry - Common

Slab group	1
Slabs	1
Position	R3.2 A12.6 H9.7 mm
Orientation	Transversal
Phase enc. dir.	A >> P
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	1605 ms

Geometry - AutoAlign

Slab group	1
Position	R3.2 A12.6 H9.7 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R3.2 A12.6 H9.7
R	3.2 mm
A	12.6 mm
H	9.7 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Saturation mode	Standard
Fat suppr.	Fat sat.

System - Miscellaneous

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
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	R3.2 A7.8 H5.9 mm
! Orientation	Transversal
! Rotation	0.00 deg
! A >> P	194 mm
! R >> L	177 mm
! F >> H	34 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.182092 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	0.500
Reset	Off
? Ref. amplitude 1H	0.000 V

Sequence - Part 1

Introduction	On
Dimension	3D
Reordering	Linear
Contrasts	1
Echo spacing	1.19 ms
Bandwidth	924 Hz/Px

Sequence - Part 2

EPI factor	52
Segmentation	6
RF pulse type	Normal
Gradient mode	Normal
Excitation	Slab-sel.
RF spoiling	On
Turbo factor	18

Sequence - Special

PATRef FA	3 deg
RF duration	1400 us
RF BWT product	15
Ernst T1	1200 ms
PATRef prep. shots	10
Volume dummy shots	0
Dummy Measurements	0
PATRef averages	2
ETL per RTEB	1
Invert PE_____	Off
Min. TE if PF___	On
Echo Time Shift	On
Ramp Sampling	On
NORDIC_____	Off
SVDPC_____	On
Sym VASO_____	Off
Dual-pol. EPI___	On
Invert RO_____	Off
Invert 3D	Off
Disable PF reco	Off
Disable PF reco	Off
Save sampling	Off
PE VComp	Off
Water Exc.	-none-
External PC	per Series
Saturation RF	per Shot
FIDNavs	-none-
EPI rise time factor	1.00
Mosaic DICOMs	On
Modify Ice Config	Off
Var. FA /MAGEC	0

Sequence - Assistant

Mode	Off

\\USER\FMRIF\[XT-ID:93-M-0170]Renzo\20230424_largeFOV\0p9iso_DPEPI_RS_proper_shimIcPat6_ACSmono_BW924

TA: 1:10 PM: FIX Voxel size: 1.0×1.0×1.0 mmPAT: 6 Rel. SNR: 1.00 : ep 2669f94

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

Slab group	1
Slabs	1
Position	R3.2 A12.6 H9.7 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	1605 ms
TE 1	26.10 ms
Averages	1
Filter	None
Coil elements	A32

Contrast - Common

TR 1	80.1 ms
TR 2	1605 ms
TE 1	26.10 ms
Multi-echo spacing	62.7 ms
Magn. preparation	None
Flip angle	25 deg
Fat suppr.	Fat sat.
Magn. Prep. Shots	1

Contrast - Dynamic

Averages	1
Averaging mode	Short term
Reconstruction	Magn./Phase
Measurements	40
Pause after meas. 1	0.0 s
Pause after meas. 2	0.0 s
Pause after meas. 3	0.0 s
Pause after meas. 4	0.0 s
Pause after meas. 5	0.0 s
Pause after meas. 6	0.0 s
Pause after meas. 7	0.0 s
Pause after meas. 8	0.0 s
Pause after meas. 9	0.0 s
Pause after meas. 10	0.0 s
Pause after meas. 11	0.0 s
Pause after meas. 12	0.0 s

Contrast - Dynamic

Pause after meas. 13	0.0 s
Pause after meas. 14	0.0 s
Pause after meas. 15	0.0 s
Pause after meas. 16	0.0 s
Pause after meas. 17	0.0 s
Pause after meas. 18	0.0 s
Pause after meas. 19	0.0 s
Pause after meas. 20	0.0 s
Pause after meas. 21	0.0 s
Pause after meas. 22	0.0 s
Pause after meas. 23	0.0 s
Pause after meas. 24	0.0 s
Pause after meas. 25	0.0 s
Pause after meas. 26	0.0 s
Pause after meas. 27	0.0 s
Pause after meas. 28	0.0 s
Pause after meas. 29	0.0 s
Pause after meas. 30	0.0 s
Pause after meas. 31	0.0 s
Pause after meas. 32	0.0 s
Pause after meas. 33	0.0 s
Pause after meas. 34	0.0 s
Pause after meas. 35	0.0 s
Pause after meas. 36	0.0 s
Pause after meas. 37	0.0 s
Pause after meas. 38	0.0 s
Pause after meas. 39	0.0 s

Resolution - Common

FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
Base resolution	416
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	6/8
Slice partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	CAIPIRINHA
Acc. factor PE	1
Ref. lines PE	24
Acc. factor 3D	6
Ref. lines 3D	18
CAIPI 3D Shift	1
Reference Scan Mode	GRE/monopolar
CAIPI Mode (tooltip)	Skipped-CAIPI
Total PAT factor	6

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off

Resolution - Filter Rawdata

Elliptical filter	Off

Geometry - Common

Slab group	1
Slabs	1
Position	R3.2 A12.6 H9.7 mm
Orientation	Transversal
Phase enc. dir.	A >> P
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	1605 ms

Geometry - AutoAlign

Slab group	1
Position	R3.2 A12.6 H9.7 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R3.2 A12.6 H9.7
R	3.2 mm
A	12.6 mm
H	9.7 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Saturation mode	Standard
Fat suppr.	Fat sat.

System - Miscellaneous

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
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	R3.2 A7.8 H5.9 mm
! Orientation	Transversal
! Rotation	0.00 deg
! A >> P	194 mm
! R >> L	177 mm
! F >> H	34 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.182092 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	0.500
Reset	Off
? Ref. amplitude 1H	0.000 V

Sequence - Part 1

Introduction	On
Dimension	3D
Reordering	Linear
Contrasts	1
Echo spacing	1.19 ms
Bandwidth	924 Hz/Px

Sequence - Part 2

EPI factor	52
Segmentation	6
RF pulse type	Normal
Gradient mode	Normal
Excitation	Slab-sel.
RF spoiling	On
Turbo factor	18

Sequence - Special

PATRef FA	3 deg
RF duration	1400 us
RF BWT product	15
Ernst T1	1200 ms
PATRef prep. shots	10
Volume dummy shots	0
Dummy Measurements	0
PATRef averages	2
ETL per RTEB	1
Invert PE_____	Off
Min. TE if PF___	On
Echo Time Shift	On
Ramp Sampling	On
NORDIC_____	Off
SVDPC_____	On
Sym VASO_____	Off
Dual-pol. EPI___	On
Invert RO_____	Off
Invert 3D	Off
Disable PF reco	Off
Disable PF reco	Off
Save sampling	Off
PE VComp	Off
Water Exc.	-none-
External PC	per Series
Saturation RF	per Shot
FIDNavs	-none-
EPI rise time factor	1.00
Mosaic DICOMs	On
Modify Ice Config	Off
Var. FA /MAGEC	0

Sequence - Assistant

Mode	Off

\\USER\FMRIF\[XT-ID:93-M-0170]Renzo\20230424_largeFOV\0p9iso_DPEPI_RS_proper_shimIcPat6_ACSmono_BW924_DP_average

TA: 4:09 PM: FIX Voxel size: 1.0×1.0×1.0 mmPAT: 6 Rel. SNR: 1.00 : ep 2669f94

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

Slab group	1
Slabs	1
Position	R3.2 A12.6 H9.7 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	3047 ms
TE 1	26.10 ms
Averages	2
Filter	None
Coil elements	A32

Contrast - Common

TR 1	80.1 ms
TR 2	3047 ms
TE 1	26.10 ms
Multi-echo spacing	62.7 ms
Magn. preparation	None
Flip angle	25 deg
Fat suppr.	Fat sat.
Magn. Prep. Shots	1

Contrast - Dynamic

Averages	2
Averaging mode	Short term
Reconstruction	Magn./Phase
Measurements	40
Pause after meas. 1	0.0 s
Pause after meas. 2	0.0 s
Pause after meas. 3	0.0 s
Pause after meas. 4	0.0 s
Pause after meas. 5	0.0 s
Pause after meas. 6	0.0 s
Pause after meas. 7	0.0 s
Pause after meas. 8	0.0 s
Pause after meas. 9	0.0 s
Pause after meas. 10	0.0 s
Pause after meas. 11	0.0 s
Pause after meas. 12	0.0 s

Contrast - Dynamic

Pause after meas. 13	0.0 s
Pause after meas. 14	0.0 s
Pause after meas. 15	0.0 s
Pause after meas. 16	0.0 s
Pause after meas. 17	0.0 s
Pause after meas. 18	0.0 s
Pause after meas. 19	0.0 s
Pause after meas. 20	0.0 s
Pause after meas. 21	0.0 s
Pause after meas. 22	0.0 s
Pause after meas. 23	0.0 s
Pause after meas. 24	0.0 s
Pause after meas. 25	0.0 s
Pause after meas. 26	0.0 s
Pause after meas. 27	0.0 s
Pause after meas. 28	0.0 s
Pause after meas. 29	0.0 s
Pause after meas. 30	0.0 s
Pause after meas. 31	0.0 s
Pause after meas. 32	0.0 s
Pause after meas. 33	0.0 s
Pause after meas. 34	0.0 s
Pause after meas. 35	0.0 s
Pause after meas. 36	0.0 s
Pause after meas. 37	0.0 s
Pause after meas. 38	0.0 s
Pause after meas. 39	0.0 s

Resolution - Common

FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
Base resolution	416
Phase resolution	100 %
Slice resolution	100 %
Phase partial Fourier	6/8
Slice partial Fourier	Off
Interpolation	Off

Resolution - iPAT

PAT mode	CAIPIRINHA
Acc. factor PE	1
Ref. lines PE	24
Acc. factor 3D	6
Ref. lines 3D	18
CAIPI 3D Shift	1
Reference Scan Mode	GRE/monopolar
CAIPI Mode (tooltip)	Skipped-CAIPI
Total PAT factor	6

Resolution - Filter Image

Image Filter	Off
Distortion Corr.	Off
Prescan Normalize	Off
Normalize	Off
B1 filter	Off

Resolution - Filter Rawdata

Raw filter	Off

Resolution - Filter Rawdata

Elliptical filter	Off

Geometry - Common

Slab group	1
Slabs	1
Position	R3.2 A12.6 H9.7 mm
Orientation	Transversal
Phase enc. dir.	A >> P
Slab Scale	-10 %
Slices per slab	18
FoV read	400 mm
FoV phase	100.0 %
Slice thickness	0.96 mm
TR 1	80.1 ms
TR 2	3047 ms

Geometry - AutoAlign

Slab group	1
Position	R3.2 A12.6 H9.7 mm
Orientation	Transversal
Phase enc. dir.	A >> P
AutoAlign	---
Initial Position	R3.2 A12.6 H9.7
R	3.2 mm
A	12.6 mm
H	9.7 mm
Initial Rotation	0.00 deg
Initial Orientation	Transversal

Geometry - Saturation

Saturation mode	Standard
Fat suppr.	Fat sat.

System - Miscellaneous

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
Save uncombined	Off
Matrix Optimization	Off
AutoAlign	---
Coil Select Mode	Default

System - Adjustments

B0 Shim mode	Brain
B1 Shim mode	TrueForm
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto

System - Adjust Volume

! Position	R3.2 A7.8 H5.9 mm
! Orientation	Transversal
! Rotation	0.00 deg
! A >> P	194 mm
! R >> L	177 mm
! F >> H	34 mm
Reset	Off

System - Tx/Rx

Frequency 1H	297.182092 MHz
Correction factor	1
Gain	Low
Img. Scale Cor.	0.500
Reset	Off
? Ref. amplitude 1H	0.000 V

Sequence - Part 1

Introduction	On
Dimension	3D
Reordering	Linear
Contrasts	1
Echo spacing	1.19 ms
Bandwidth	924 Hz/Px

Sequence - Part 2

EPI factor	52
Segmentation	6
RF pulse type	Normal
Gradient mode	Normal
Excitation	Slab-sel.
RF spoiling	On
Turbo factor	18

Sequence - Special

PATRef FA	3 deg
RF duration	1400 us
RF BWT product	15
Ernst T1	1200 ms
PATRef prep. shots	10
Volume dummy shots	0
Dummy Measurements	0
PATRef averages	2
ETL per RTEB	1
Invert PE_____	Off
Min. TE if PF___	On
Echo Time Shift	On
Ramp Sampling	On
NORDIC_____	Off
SVDPC_____	On
Sym VASO_____	Off
Dual-pol. EPI___	On
Invert RO_____	Off
Invert 3D	Off
Disable PF reco	Off
Disable PF reco	Off
Save sampling	Off
PE VComp	Off
Water Exc.	-none-
External PC	per Series
Saturation RF	per Shot
FIDNavs	-none-
EPI rise time factor	1.00
Mosaic DICOMs	On
Modify Ice Config	Off
Var. FA /MAGEC	0

Sequence - Assistant

Mode	Off