

Details

TA: 6:38

PM: REF

PAT: 2

Voxel size: 0.8×0.8×0.8 mm

Rel. SNR: 1.00

: tfl

Slab group 1

FoV read 256 mm

Slabs 1

FoV phase 93.8 %

Dist. factor 50 %

Slice thickness 0.80 mm

Position Isocenter

TR 2400.0 ms

Orientation Sagittal

TE 2.22 ms

Phase enc. dir. A >> P

Averages 1

AutoAlign Head > Brain

Concatenations 1

Phase oversampling 0 %

Filter Prescan Normalize

Slice oversampling 23.1 %

Coil elements HEA,HEP

Slices per slab 208

Routine

Contrast

Resolution

Geometry

System

Physio

Inline

Sequence

OK

Cancel

Virtual Coils...

Help

Details

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Common

Dynamic

TR 2400.0 ms

Fat suppr. Water excit. fast

TE 2.22 ms

Water suppr. None

Magn. preparation Non-sel. IR

TI 1000 ms

IR Contrasts 1

Flip angle 8 deg

TR 2400.0
1970.0 10000.0

Setting "Fat suppr." to "Water excit. fast" reduces signal from bone marrow and scalp fat, which improves the robustness of registration.

Routine

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OK

Cancel

Virtual Coils...

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Common**Dynamic**

Averages

1



Averaging mode

Long term



Measurements

1



Reconstruction

Magnitude



Multiple series

Each measurement



Routine

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OK

Cancel

Virtual Coils...

Help

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Common

iPAT

Filter Image

Filter Rawdata

FoV read 256 mm

FoV phase 93.8 %

Slice thickness 0.80 mm

Base resolution 320

Phase resolution 100 %

Slice resolution 100 %

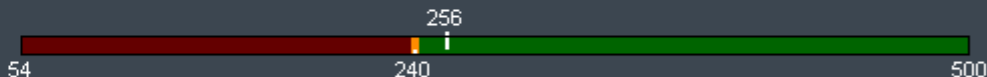
Phase partial Fourier Off

Slice partial Fourier Off

Interpolation



FoV read



Routine

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OK

Cancel

Virtual Coils...

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Common

iPAT

Filter Image

Filter Rawdata

PAT mode **GRAPPA** ▼

Accel. factor PE 2 ▼

Reference scan mode Integrated ▼

Ref. lines PE 32 ▼

Accel. factor 3D 1 ▼

Routine

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OK

Cancel

Virtual Coils...

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Common

iPAT

Filter Image

Filter Rawdata

Image Filter



Prescan Normalize



Unfiltered images



With "Unfiltered images" checked, you will get two scan reconstructions (each as a separate Series on the scanner) -- one with Prescan Normalize applied, and one without.

Normalize



B1 filter



Distortion Corr.



Routine

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OK

Cancel

Virtual Coils...

Help

\\USER\\head\\Harms\\CCF_Prisma\\T1w_MPR

Details

TA: 6:38

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Voxel size: 0.8×0.8×0.8 mm

Rel. SNR: 1.00

: tfl

Common

iPAT

Filter Image

Filter Rawdata

Raw filter



Elliptical filter



Routine

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OK

Cancel

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Details

TA: 6:38

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Voxel size: 0.8×0.8×0.8 mm

Rel. SNR: 1.00

: tfl

Common

Navigator

Slab group 1

FoV read 256 mm

Slabs 1

FoV phase 93.8 %

Dist. factor 50 %

Slice thickness 0.80 mm

Position Isocenter

TR 2400.0 ms

Orientation Sagittal

Phase enc. dir. A >> P

Multi-slice mode Single shot

Series Interleaved

Phase oversampling 0 %

Slice oversampling 23.1 %

Concatenations 1

Slices per slab 208

Routine

Contrast

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Geometry

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Sequence

OK

Cancel

Virtual Coils...

Help

\\USER\\head\\Harms\\CCF_PrismaT1w_MPR

Details

TA: 6:38

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Voxel size: 0.8×0.8×0.8 mm

Rel. SNR: 1.00

: tfl

Common

Navigator

Navigator



Routine

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OK

Cancel

Virtual Coils...

Help

\\USER\\head\\Harms\\CCF_Prisma\\T1w_MPR

Details

TA: 6:38

PM: REF

PAT: 2

Voxel size: 0.8×0.8×0.8 mm

Rel. SNR: 1.00

: tfl

Coils

Miscellaneous

Adjustments

Adjust Volume

pTx Volumes

Tx/Rx



HEA

HEP

Body

Routine

Contrast

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Sequence

OK

Cancel

Virtual Coils...

Help

Details

TA: 6:38 PM: REF PAT: 2 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 : tfl

Coils

Miscellaneous

Adjustments

Adjust Volume

pTx Volumes

Tx/Rx

Coil Combine Mode Adaptive Combiner ▼

Positioning mode REF ▼

Save uncombined ☐

Table position H ▼ 0 ▼ mm

Matrix Optimization Off ▼

Coil Focus Flat ▼

Image Numbering

MSMA S - C - T ▼

Sagittal R >> L ▼

Coronal A >> P ▼

Transversal F >> H ▼

AutoAlign Head > Brain ▼ 

Coil Select Mode Off - All ▼

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OK

Cancel

Virtual Coils...

Help

Details

TA: 6:38 PM: REF PAT: 2 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 : tfl

Coils**Miscellaneous****Adjustments****Adjust Volume****pTx Volumes****Tx/Rx**B0 Shim mode **Standard** ▼B1 Shim mode **TrueForm** ▼Adjustment Tolerance **Auto** ▼Adjust with body coil ☐Confirm freq. adjustment ☐Assume Dominant Fat ☐Assume Silicone ☐

Tx Ref [Nucleus] Ref.

? Ref. amplitude 1H	0.000

Reset**Routine****Contrast****Resolution****Geometry****System****Physio****Inline****Sequence****OK****Cancel****Virtual Coils...****Help**

Details

TA: 6:38 PM: REF PAT: 2 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 : tfl

Coils

Miscellaneous

Adjustments

Adjust Volume

pTx Volumes

Tx/Rx

! Position L0.0 P3.0 H6.0



! Orientation T > C-20.0



! Rotation 0.00

deg

! R >> L 208

mm

! A >> P 208

mm

! F >> H 144

mm

Reset

Adjust Volume set to match the FOV and positioning of the SpinEchoFieldMap (so that the T1w scan will be acquired with the same shim currents). But, for this to work, you need to select "Manual" on the Scan Assistant window that will pop-up when you open this scan.

Routine

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OK

Cancel

Virtual Coils...

Help

\\USER\\head\\Harms\\CCF_Prisma\\T1w_MPR

Details

TA: 6:38 PM: REF PAT: 2 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 : tfl

Coils

Miscellaneous

Adjustments

Adjust Volume

pTx Volumes

Tx/Rx

B1 Shim mode **TrueForm** ▼

pTx Volume ▼ + -

Excitation Non-sel. ▼

Routine

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OK

Cancel

Virtual Coils...

Help

Details

TA: 6:38 PM: REF PAT: 2 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 : tfl

Coils

Miscellaneous

Adjustments

Adjust Volume

pTx Volumes

Tx/Rx

Transmitter

Receiver

Frequency 1H 123.257575 MHz

Gain Low

? Ref. amplitude 1H 0.000 V

Correction factor 1

Img. Scale. Cor. 5.000

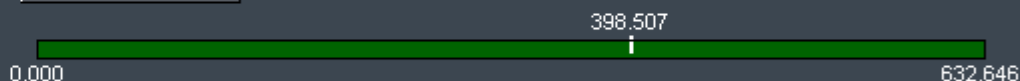
Puls Amplitude V

ExcitWEns 0 1H	59.111
ExcitWEns 1 1H	59.111
SLoopRns1 1H	398.507
SRFExcit 1H	118.222

Bumped "Img. Scale. Cor." up to 5 to make better use of the 0-4095 dynamic range in the output DICOMs.

Reset

SLoopRns1 1H



Routine

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OK

Cancel

Virtual Coils...

Help

Details

TA: 6:38 PM: REF PAT: 2 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 : tfl

Signal1

Cardiac

PACE

1st Signal/Mode

None

TR 2400.0 ms

Concatenations

1

Routine

Contrast

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Geometry

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OK

Cancel

Virtual Coils...

Help

Details

TA: 6:38

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Rel. SNR: 1.00

: tfl

Signal1

Cardiac

PACE

FoV read 256 mm

FoV phase 93.8 %

Phase resolution 100 %

Magn. preparation Non-sel. IR

TI 1000 ms

Fat suppr. Water excit. fast

Dark blood ☐

Routine

Contrast

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OK

Cancel

Virtual Coils...

Help

Details

TA: 6:38 PM: REF PAT: 2 Voxel size: 0.8×0.8×0.8 mm Rel. SNR: 1.00 : tfl

Signal1

Cardiac

PACE

Resp. control **Off** ▼

Concatenations

Routine

Contrast

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OK

Cancel

Virtual Coils...

Help

Details

TA: 6:38

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Voxel size: 0.8×0.8×0.8 mm

Rel. SNR: 1.00

: tfl

Common**MIP**

Subtract



StdDev



Measurements

1



Save original images



Routine

Contrast

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Geometry

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OK

Cancel

Virtual Coils...

Help

Details

TA: 6:38

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Voxel size: 0.8×0.8×0.8 mm

Rel. SNR: 1.00

: tfl

Common**MIP**MIP-Sag ☐MIP-Cor ☐MIP-Tra ☐MIP-Time ☐Save original images ☒

Routine

Contrast

Resolution

Geometry

System

Physio

Inline

Sequence

OK

Cancel

Virtual Coils...

Help

Details

TA: 6:38

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PAT: 2

Voxel size: 0.8×0.8×0.8 mm

Rel. SNR: 1.00

: tfl

Part 1

Part 2

Assistant

Introduction



Dimension

3D



Bandwidth

220



Hz/Px

Elliptical scanning



Flow comp.

No



Averaging mode

Long term



Multi-slice mode

Single shot



Reordering

Linear



Echo spacing

7.5



ms

Asymmetric echo

Allowed



Routine

Contrast

Resolution

Geometry

System

Physio

Inline

Sequence

OK

Cancel

Virtual Coils...

Help

Details

TA: 6:38

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PAT: 2

Voxel size: 0.8×0.8×0.8 mm

Rel. SNR: 1.00

: tfl

Part 1

Part 2

Assistant

Turbo factor

256

RF pulse type

Fast

Gradient mode

Performance

Excitation

Non-sel.

RF spoiling



Incr. Gradient spoiling



Routine

Contrast

Resolution

Geometry

System

Physio

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Sequence

OK

Cancel

Virtual Coils...

Help

\\USER\\head\\Harms\\CCF_PrismaT1w_MPR

Details

TA: 6:38

PM: REF

PAT: 2

Voxel size: 0.8×0.8×0.8 mm

Rel. SNR: 1.00

: tfl

Part 1

Part 2

Assistant

Mode

Off



Routine

Contrast

Resolution

Geometry

System

Physio

Inline

Sequence

OK

Cancel

Virtual Coils...

Help