

Details

TA: 0:32 PM: REF PAT: Off Voxel size: 2.0×2.0×2.0 mm Rel. SNR: 1.00 : epse

Slice group 1 ▾ + -

FoV read 208 ▾ mm

Slices 72 ▾

FoV phase 100.0 ▾ %

Dist. factor 0 ▾ %

Slice thickness 2.00 ▾ mm

Position L0.0 P3.0 H6.0 ▾ ...

TR 8000 ▾ ms

Orientation T > C-20.0 ▾ ...

TE 66.00 ▾ ms

Phase enc. dir. A >> P ▾ ...

AutoAlign Head > Brain ▾ ...

Phase oversampling 0 ▾ %

Multi-band accel. factor 1 ▾

Filter None

Coil elements HEA,HEP

Routine

Contrast

Resolution

Geometry

System

Physio

BOLD

Sequence

OK

Cancel

Virtual Coils...

Help

Details

TA: 0:32

PM: REF

PAT: Off

Voxel size: 2.0×2.0×2.0 mm

Rel. SNR: 1.00

: epse

Common

Dynamic

TR 8000 ms

Fat suppr. Fat sat.

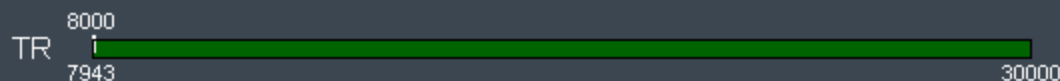
TE 66.00 ms

Grad. rev. fat suppr. Disabled

MTC ☐

Magn. preparation None

Flip angle 90 deg



Routine

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Geometry

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Physio

BOLD

Sequence

OK

Cancel

Virtual Coils...

Help

Details

TA: 0:32

PM: REF

PAT: Off

Voxel size: 2.0×2.0×2.0 mm

Rel. SNR: 1.00

: epse

Common

Dynamic

TR 8000 ms

Fat suppr. Fat sat.

TE 66.00 ms

Grad. rev. fat suppr. Disabled

MTC ☐

Magn. preparation None

Refocus flip angle 180 deg

Routine

Contrast

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OK

Cancel

Virtual Coils...

Help

Details

TA: 0:32 PM: REF PAT: Off Voxel size: 2.0×2.0×2.0 mm Rel. SNR: 1.00 : epse

Common**Dynamic**

Averaging mode Long term ▼

Measurements 3 ▼

Delay in TR 0 ▼ ms

Reconstruction Magnitude ▼

Multiple series Off ▼

Routine

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BOLD

Sequence

OK

Cancel

Virtual Coils...

Help

Details


TA: 0:32 PM: REF PAT: Off Voxel size: 2.0×2.0×2.0 mm Rel. SNR: 1.00 : epse

Common

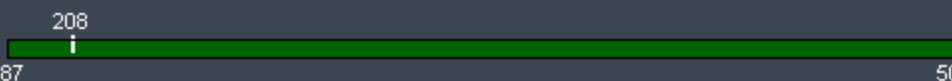
iPAT

Filter Image

Filter Rawdata

FoV read 208  mmFoV phase 100.0  %Slice thickness 2.00  mmBase resolution 104 Phase resolution 100  %Phase partial Fourier Off 

Interpolation

FoV read 

Routine

Contrast

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BOLD

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OK

Cancel

Virtual Coils...

Help

Details

TA: 0:32

PM: REF

PAT: Off

Voxel size: 2.0×2.0×2.0 mm

Rel. SNR: 1.00

: epse

Common

iPAT

Filter Image

Filter Rawdata

PAT mode

None



Routine

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OK

Cancel

Virtual Coils...

Help

Details

TA: 0:32 PM: REF PAT: Off Voxel size: 2.0×2.0×2.0 mm Rel. SNR: 1.00 : epse

Common

iPAT

Filter Image

Filter Rawdata

Prescan Normalize



Distortion Corr.



Routine

Contrast

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Geometry

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Physio

BOLD

Sequence

OK

Cancel

Virtual Coils...

Help

Details

TA: 0:32

PM: REF

PAT: Off

Voxel size: 2.0×2.0×2.0 mm

Rel. SNR: 1.00

: epse

Common

iPAT

Filter Image

Filter Rawdata

Raw filter



Elliptical filter



Hamming



Routine

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OK

Cancel

Virtual Coils...

Help

Details

TA: 0:32

PM: REF

PAT: Off

Voxel size: 2.0×2.0×2.0 mm

Rel. SNR: 1.00

: epse

Common

Saturation

Slice group 1

FoV read 208 mm

Slices 72

FoV phase 100.0 %

Dist. factor 0 %

Slice thickness 2.00 mm

Position L0.0 P3.0 H6.0

TR 8000 ms

Orientation T > C-20.0

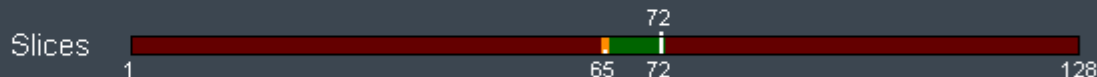
Phase enc. dir. A >> P

Multi-slice mode Interleaved

Series Interleaved

Phase oversampling 0 %

Multi-band accel. factor 1



Routine

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BOLD

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OK

Cancel

Virtual Coils...

Help

Details

TA: 0:32

PM: REF

PAT: Off

Voxel size: 2.0×2.0×2.0 mm

Rel. SNR: 1.00

: epse

Common**Saturation**

Fat suppr. Fat sat.



Grad. rev. fat suppr. Disabled



Sat. region



Special sat. None



Routine

Contrast

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Geometry

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Physio

BOLD

Sequence

OK

Cancel

Virtual Coils...

Help

Details

TA: 0:32

PM: REF

PAT: Off

Voxel size: 2.0×2.0×2.0 mm

Rel. SNR: 1.00

: epse

Coils

Miscellaneous

Adjustments

Adjust Volume

pTx Volumes

Tx/Rx



HEA

HEP

Body

Routine

Contrast

Resolution

Geometry

System

Physio

BOLD

Sequence

OK

Cancel

Virtual Coils...

Help

Details

TA: 0:32 PM: REF PAT: Off Voxel size: 2.0×2.0×2.0 mm Rel. SNR: 1.00 : epse

Coils**Miscellaneous****Adjustments****Adjust Volume****pTx Volumes****Tx/Rx**Coil Combine Mode **Sum of Squares**Positioning mode **REF**Table position **H** **0** mmMatrix 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****Routine****Contrast****Resolution****Geometry****System****Physio****BOLD****Sequence**

OK

Cancel

Virtual Coils...

Help

Details

TA: 0:32 PM: REF PAT: Off Voxel size: 2.0×2.0×2.0 mm Rel. SNR: 1.00 : epse

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****BOLD****Sequence****OK****Cancel****Virtual Coils...****Help**

Details

TA: 0:32 PM: REF PAT: Off Voxel size: 2.0×2.0×2.0 mm Rel. SNR: 1.00 : epse

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

Routine**Contrast****Resolution****Geometry****System****Physio****BOLD****Sequence**

OK

Cancel

Virtual Coils...

Help

Details

TA: 0:32 PM: REF PAT: Off Voxel size: 2.0×2.0×2.0 mm Rel. SNR: 1.00 : epse

Coils

Miscellaneous

Adjustments

Adjust Volume

pTx Volumes

Tx/Rx

B1 Shim mode

TrueForm



pTx Volume



+

-

Routine

Contrast

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Sequence

OK

Cancel

Virtual Coils...

Help

: epse

Tx/Rx

Receiver

Gain High ▼

Img. Scale. Cor. 1.000

Correction factor	1
-------------------	---

Puls	Amplitude	V
------	-----------	---

SLoopFCSatNS 1H	65.572
-----------------	--------

Reset

ExtExciteRF 1H

247.363

0.000 632.646

Sequence

Help

Details

TA: 0:32 PM: REF PAT: Off Voxel size: 2.0×2.0×2.0 mm Rel. SNR: 1.00 : epse

Coils

Miscellaneous

Adjustments

Adjust Volume

pTx Volumes

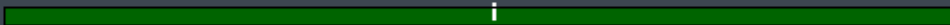
Tx/Rx

Transmitter

Receiver

Frequency 1H MHzGain ▼? Ref. amplitude 1H ▼Correction factor Img. Scale. Cor.

Puls Amplitude ▼

AddCSaCSatNS 1H ExtExciteRF 1H ExtRefocRF 1H ▼SLoopFCSatNS 1H ExtRefocRF 1H  327.296
0.000 632.646

Routine

Contrast

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Physio

BOLD

Sequence

Details

TA: 0:32 PM: REF PAT: Off Voxel size: 2.0×2.0×2.0 mm Rel. SNR: 1.00 : epse

Signal1

1st Signal/Mode

None

TR

8000

ms

Multi-band accel. factor

1

Routine

Contrast

Resolution

Geometry

System

Physio

BOLD

Sequence

OK

Cancel

Virtual Coils...

Help

Details

TA: 0:32 PM: REF PAT: Off Voxel size: 2.0×2.0×2.0 mm Rel. SNR: 1.00 : epse

GLM Statistics

☐

Motion correction

☐

Dynamic t-maps

☐

Ignore meas. at start

0

Spatial filter

☐

Ignore after transition

0

Model transition states

☐

Temp. highpass filter

☐

Measurements

3

Threshold

4.00

Delay in TR

0

ms

Paradigm size

3

Multiple series

Off

Meas[1]

Baseline

Meas[2]

Baseline

Routine

Contrast

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Physio

BOLD

Sequence

OK

Cancel

Virtual Coils...

Help

Details

TA: 0:32

PM: REF

PAT: Off

Voxel size: 2.0×2.0×2.0 mm

Rel. SNR: 1.00

: epse

Part 1

Part 2

Special

Introduction



Contrasts

1

Bandwidth

2290

Hz/Px

Averaging mode

Long term

Multi-slice mode

Interleaved

Use "Free echo spacing" to match
Echo spacing to BOLD scan.

Free echo spacing



Echo spacing

0.58

ms

Routine

Contrast

Resolution

Geometry

System

Physio

BOLD

Sequence

OK

Cancel

Virtual Coils...

Help

Details

TA: 0:32

PM: REF

PAT: Off

Voxel size: 2.0×2.0×2.0 mm

Rel. SNR: 1.00

: epse

Part 1

Part 2

Special

RF pulse type

Normal

Gradient mode

Performance

EPI factor

104

Routine

Contrast

Resolution

Geometry

System

Physio

BOLD

Sequence

OK

Cancel

Virtual Coils...

Help

Details

TA: 0:32

PM: REF

PAT: Off

Voxel size: 2.0×2.0×2.0 mm

Rel. SNR: 1.00

: epse

Part 1

Part 2

Special

Physio recording

Off

SENSE1 coil combine



Toggle here to reveal other parameters.

FFT scale factor

1.00

Triggering scheme

Standard

Starting ignore meas

0

Routine

Contrast

Resolution

Geometry

System

Physio

BOLD

Sequence

OK

Cancel

Virtual Coils...

Help

Details

TA: 0:32

PM: REF

PAT: Off

Voxel size: 2.0×2.0×2.0 mm

Rel. SNR: 1.00

: epse

Part 1

Part 2

Special

Physio recording

Off

Invert RO/PE polarity



N.B. Checking "Invert RO/PE polarity" is the mechanism we use to obtain a matched scan with opposite phase encoding polarity (while leaving "Phase enc. dir." on the Routine tab set to "A >> P").

FFT scale factor

1.00



Triggering scheme

Standard



Starting ignore meas

0



Routine

Contrast

Resolution

Geometry

System

Physio

BOLD

Sequence

OK

Cancel

Virtual Coils...

Help