PATIENT POSITION

Patient Entry	*Head First*
Patient Position	*Supine*
Coil Configuration	*-1*
Plane	*3-PLANE*
Series Description	*ABI1_localizer1*

SCAN TIMING

TE	*Minimum*
TR	*Minimum*
Receiver Bandwidth	*83.33*

IMAGE ENHANCE

Filter Choice	*None*

GATING/TRIGGER

Heart Beat per Minute Mode	*0*
Auto Trigger Type	*Off*
Auto Trigger Window	*Off*

FMRI

PSD Trigger	*Internal*
Slice Order	*Interleaved*
View Order	*Bottom/Up*
# of Repetitions REST	*0*
# of Repetitions ACTIVE	*0*

SAT

Tag Type	*None*

TRICKS

Pause On/Off	*On*
Auto Subtract	*0*
Auto SCIC	*Off*

IMAGING PARAMETERS

Imaging Mode	*2D*
Pulse Sequence	*Spin Echo*
Imaging Options	*Seq, EDR, Fast, SS, ARC*
n/a	*12*

SCAN RANGE

FOV	*30.0*
Slice Thickness	*10.0*
Slice Spacing	*5.0*
Center Location 1	*0.0*
Center Location 2	*A15.0*
Center Location 3	*0.0*
Slice for 3 Plane Localizaion	*0*
Slice for 3 Plane Localizaion	*1*
Slice for 3 Plane Localizaion	*3*
Slice for 3 Plane Localizaion	*3*
Space per Plane 1	*5.0*
Space per Plane 2	*5.0*
Table Delta	*0.00*

ACQ TIMING

Freq	*256*
Phase	*128*
Freq DIR	*Unswap*
# of Acq. Before Pause	*0*
Phase FOV	*1.00*
Auto Shim	*Auto*
Phase Correction	*No*

USER CVS

User CV2	*240.00*
User CV13	*1.00*
In-range AutoTR Control	*0*
User CV Mask	*57414*

MULTI-PHASE

Seperate Series	*0*
Mask Phase	*0*
Mask Pause	*0*

DIFFUSION

Recon All Images	*On*

CONTRAST

Contrast Yes/No	*No*
Contrast Amount	*Yes*

ABI1_localizer1

PATIENT POSITION

Patient Entry	*Head First*
Patient Position	*Supine*
Coil Configuration	*HD 8Ch High Res Brain Array by Invivo*
Plane	*AXIAL*
Series Description	*ABI1_calibration*

SCAN TIMING

Number of Echoes	*1*

IMAGE ENHANCE

Filter Choice	*None*

GATING/TRIGGER

Heart Beat per Minute Mode	*0*
Auto Trigger Type	*Off*
Auto Trigger Window	*Off*

FMRI

PSD Trigger	*Internal*
Slice Order	*Interleaved*
View Order	*Bottom/Up*
# of Repetitions REST	*0*
# of Repetitions ACTIVE	*0*

SAT

Tag Type	*None*

TRICKS

Pause On/Off	*On*
Auto Subtract	*0*
Auto SCIC	*Off*

IMAGING PARAMETERS

Imaging Mode	*3D*
Pulse Sequence	*SPGR*
Imaging Options	*EDR, Fast, ZIP2, Calib*
n/a	*6*

SCAN RANGE

FOV	*30.0*
Slice Thickness	*13.0*
GRXOPT	*0*
Start Location 1	*I216.1*
End Location 1	*S186.9*
End Location 2	*R2.9*
End Location 3	*A10.1*
Center of Location Start	*R2.9*
Center of Location End	*A10.1*
Scan Locations	*32*
Number of Slices	*1*
Slice for 3 Plane Localizaion	*0*
Slice for 3 Plane Localizaion	*0*
Slice for 3 Plane Localizaion	*0*
Slice for 3 Plane Localizaion	*0*
Space per Plane 1	*0.0*
Space per Plane 2	*0.0*
Table Delta	*0.00*

ACQ TIMING

Freq DIR	*R/L*
Auto Shim	*Auto*
Phase Correction	*No*

USER CVS

In-range AutoTR Control	*0*
User CV Mask	*8388672*

MULTI-PHASE

Seperate Series	*0*
Mask Phase	*0*
Mask Pause	*0*

DIFFUSION

Recon All Images	*On*

CONTRAST

Contrast Yes/No	*No*
Contrast Amount	*Yes*

ABI1_calibration

PATIENT POSITION

Patient Entry	*Head First*
Patient Position	*Supine*
Coil Configuration	*HD 8Ch High Res Brain Array by Invivo*
Plane	*OBLIQUE*
Series Description	*ABI1_bold_bw_rest*

SCAN TIMING

Flip Angle	*90*
TE	*30.0*
TR	*2000.0*
Number of Shots	*1*

IMAGE ENHANCE

Filter Choice	*None*

GATING/TRIGGER

Heart Beat per Minute Mode	*0*
Auto Trigger Type	*Off*
Auto Trigger Window	*Off*

FMRI

Brain Wave Real Time	*2*
Paradigm String	*REST*
Paradigm UID	*1.2.840.113819.3.14709520 2699.1399372018333395.65*
Initial State	*Control*
PSD Trigger	*Internal*
Slice Order	*Interleaved*
View Order	*Bottom/Up*
# of Repetitions REST	*15*
# of Repetitions ACTIVE	*15*
# of Dummy Acquisition	*0*

SAT

Tag Type	*None*
Fat/Water Saturation	*Fat*

TRICKS

Pause On/Off	*On*
Auto Subtract	*0*
Auto SCIC	*Off*

OTHERS

Protocol Notes	*BOLD fMRI imaging with BrainWave for Resting state, 240 scans.*

IMAGING PARAMETERS

Imaging Mode	*2D*
Pulse Sequence	*Gradient Echo*
Imaging Options	*EPI, FMRI*
n/a	*9*

SCAN RANGE

FOV	*22.4*
Slice Thickness	*3.5*
Slice Spacing	*0.7*
Start Location 1	*R4.4*
Start Location 2	*A13.0*
Start Location 3	*I54.5*
End Location 1	*R3.4*
End Location 2	*A13.1*
End Location 3	*S79.9*
Number of Slices	*33*
Slice for 3 Plane Localizaion	*0*
Slice for 3 Plane Localizaion	*0*
Slice for 3 Plane Localizaion	*0*
Slice for 3 Plane Localizaion	*0*
Space per Plane 1	*0.0*
Space per Plane 2	*0.0*
Table Delta	*0.00*

ACQ TIMING

Freq	*64*
Phase	*64*
Freq DIR	*R/L*
NEX	*1.00*
Phase FOV	*1.00*
Auto Shim	*Auto*
Phase Correction	*Yes*

USER CVS

User CV0	*1.00*
User CV Mask	*17*

MULTI-PHASE

Slice per Location	*240*
Delay after Acquisition	*0*
Seperate Series	*0*
Delay after Acquisition without AV	*0*
Mask Phase	*0*
Mask Pause	*0*

DIFFUSION

Recon All Images	*On*

CONTRAST

Contrast Yes/No	*No*
Contrast Amount	*Yes*

ABI1_bold_bw_rest

ABI1_bold_bw_rest

PATIENT POSITION	
Patient Entry	*Head First*
Patient Position	*Supine*
Coil Configuration	*HD 8Ch High Res Brain Array by Invivo*
Plane	*SAGITTAL*
Series Description	*ABI1_t1iso_fspgr*

SCAN TIMING	
Flip Angle	*12*
TE	*Min Full*
Number of Echoes	*1*
TI	*450*
Receiver Bandwidth	*31.25*

IMAGE ENHANCE	
Filter Choice	*None*

GATING/TRIGGER	
Heart Beat per Minute Mode	*0*
Auto Trigger Type	*Off*
Auto Trigger Window	*Off*

FMRI	
Initial State	*Control*
PSD Trigger	*Internal*
Slice Order	*Interleaved*
View Order	*Bottom/Up*
# of Repetitions REST	*0*
# of Repetitions ACTIVE	*0*

SAT	
Tag Type	*None*

TRICKS	
Pause On/Off	*On*
Auto Subtract	*0*
Auto SCIC	*2*

OTHERS	
Protocol Notes	*T1 weighted 3D structure imaging.* *Scan Plane: Sagittal* *Excitation Mode: Non-selective*

IMAGING PARAMETERS	
Imaging Mode	*3D*
Pulse Sequence	*SPGR*
Imaging Options	*EDR, Fast, IrP, Asset*
n/a	*6*

SCAN RANGE	
FOV	*25.6*
Slice Thickness	*1.0*
Location per Slab	*192*
Overlap Locations	*0*
GRXOPT	*0*
Start Location 1	*L93.2*
End Location 1	*R97.8*
End Location 2	*A12.7*
End Location 3	*I3.5*
Center of Location Start	*A12.7*
Center of Location End	*I3.5*
Number of Slices	*1*
Slice for 3 Plane Localizaion	*0*
Slice for 3 Plane Localizaion	*0*
Slice for 3 Plane Localizaion	*0*
Slice for 3 Plane Localizaion	*0*
Space per Plane 1	*0.0*
Space per Plane 2	*0.0*
Table Delta	*0.00*

ACQ TIMING	
Freq	*256*
Phase	*256*
Freq DIR	*S/I*
NEX	*1.00*
Phase FOV	*1.00*
Auto Shim	*Auto*
Phase Correction	*No*

USER CVS	
User CV6	*2.00*
User CV23	*100.00*
In-range AutoTR Control	*0*
User CV Mask	*8388688*

MULTI-PHASE	
Seperate Series	*0*
Mask Phase	*0*
Mask Pause	*0*

DIFFUSION	
Recon All Images	*On*

CONTRAST	
Contrast Yes/No	*No*
Contrast Amount	*Yes*

ABI1_t1iso_fspgr

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	*Head First*	**Imaging Mode**	*3D*
Patient Position	*Supine*	**Pulse Sequence**	*Cube T2*
Coil Configuration	*HD 8Ch High Res Brain Array by Invivo*	**Imaging Options**	*EDR, Fast, FR, ARC*
		n/a	*53*
Plane	*OBLIQUE*		
Series Description	*ABI1_t2iso_cube*	**SCAN RANGE**	
		FOV	*25.6*
SCAN TIMING		**Slice Thickness**	*1.0*
TE	*Maximum*	**Location per Slab**	*196*
TR	*3200.0*	**Overlap Locations**	*0*
Echo Train Length	*220*	**Start Location 1**	*R99.4*
Receiver Bandwidth	*83.33*	**Start Location 2**	*A13.0*
		Start Location 3	*I16.6*
IMAGE ENHANCE		**End Location 1**	*L91.6*
Filter Choice	*None*	**End Location 2**	*A13.0*
		End Location 3	*I16.6*
GATING/TRIGGER		**Number of Slices**	*1*
Auto Trigger Type	*Off*	**Slice for 3 Plane Localizaion**	*0*
Auto Trigger Window	*Off*		
		Slice for 3 Plane Localizaion	*0*
FMRI			
PSD Trigger	*Internal*	**Slice for 3 Plane Localizaion**	*0*
Slice Order	*Interleaved*		
View Order	*Bottom/Up*	**Slice for 3 Plane Localizaion**	*0*
# of Repetitions REST	*0*		
# of Repetitions ACTIVE	*0*	**Space per Plane 1**	*0.0*
		Space per Plane 2	*0.0*
SAT		**Table Delta**	*0.00*
Tag Type	*None*		
		ACQ TIMING	
TRICKS		**Freq**	*256*
Pause On/Off	*On*	**Phase**	*256*
Auto Subtract	*0*	**Freq DIR**	*S/I*
Auto SCIC	*2*	**NEX**	*2.00*
		Phase FOV	*1.00*
OTHERS		**Auto Shim**	*Auto*
Protocol Notes	*T2 weighted 3D structure imaging.* *Scan Plane: Oblique* *Excitation Mode: Non-selective*	**Phase Correction**	*No*
		USER CVS	
		In-range AutoTR Control	*0*
		User CV Mask	*4194304*
		MULTI-PHASE	
		Seperate Series	*0*
		Mask Phase	*0*
		Mask Pause	*0*
		DIFFUSION	
		Recon All Images	*On*
		CONTRAST	
		Contrast Yes/No	*No*
		Contrast Amount	*Yes*

ABI1_t2iso_cube

ABI1_t2iso_cube