

Protocol: adult_head_Dnmozgu3_20170412150010875_1

3Plane Loc SSFSE	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	Spin Echo
	Coil Configuration	HD 8Ch High Res Brain Array by Invivo	Imaging Options	Seq, EDR, Fast, SS, ARC
	Plane	3-PLANE	n/a	12
	Series Description	3Plane Loc SSFSE	SCAN RANGE	
	SCAN TIMING		FOV	24.0
	TE	80.0	Slice Thickness	8.0
	Number of Echoes	1	Slice Spacing	0.0
	TR	Minimum	Number of Slices	30
	Receiver Bandwidth	83.33	Center Location 1	0.0
	IMAGE ENHANCE		Center Location 2	A20.0
	Filter Choice	None	Center Location 3	0.0
	GATING/TRIGGER		Slice for 3 Plane Localizaion	0
	Heart Beat per Minute Mode	0	Slice for 3 Plane Localizaion	10
	Auto Trigger Type	Off	Slice for 3 Plane Localizaion	10
	Auto Trigger Window	Off	Slice for 3 Plane Localizaion	10
	FMRI		Space per Plane 1	0.0
	PSD Trigger	Internal	Space per Plane 2	0.0
	Slice Order	Interleaved	Table Delta	0.00
	View Order	Bottom/Up	ACQ TIMING	
3Plane Loc SSFSE	# of Repetitions REST	0	Freq	384
	# of Repetitions ACTIVE	0	Phase	160
	SAT		Freq DIR	Unswap
	Tag Type	None	# of Acq. Before Pause	0
	TRICKS		Phase FOV	1.00
	Pause On/Off	On	Auto Shim	Auto
	Auto Subtract	0	Phase Correction	No
	Auto SCIC	Off	USER CVS	
	OTHERS		User CV2	240.00
	IEC	ON	User CV13	1.00
		0	In-range AutoTR Control	0
		0	User CV Mask	57414
		0	MULTI-PHASE	
		0	Seperate Series	0
		0	Mask Phase	0
		0	Mask Pause	0
		0	DIFFUSION	
	Auto Voice	Off	Recon All Images	On
	Preset Delay	0.0	CONTRAST	
			Contrast Yes/No	No
			Contrast Amount	Yes

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ASSET calibration	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	3D
	Patient Position	Supine	Pulse Sequence	SPGR
	Coil Configuration	HD 8Ch High Res Brain Array by Invivo	Imaging Options	EDR, Fast, ZIP2, Calib
	Plane	AXIAL	n/a	6
	Series Description	ASSET calibration	SCAN RANGE	
	SCAN TIMING		FOV	30.0
	Number of Echoes	1	Slice Thickness	9.4
	IMAGE ENHANCE		GRXOPT	0
	Filter Choice	None	Start Location 1	1155.4
	GATING/TRIGGER		End Location 1	S42.0
	Heart Beat per Minute Mode	0	End Location 2	L0.6
	Auto Trigger Type	Off	End Location 3	A23.3
	Auto Trigger Window	Off	Center of Location Start	L0.6
	FMRI		Center of Location End	A23.3
	PSD Trigger	Internal	Scan Locations	22
	Slice Order	Interleaved	Number of Slices	1
	View Order	Bottom/Up	Slice for 3 Plane Localizaion	0
	# of Repetitions REST	0	Slice for 3 Plane Localizaion	0
	# of Repetitions ACTIVE	0	Slice for 3 Plane Localizaion	0
	SAT		Slice for 3 Plane Localizaion	0
	Tag Type	None	Space per Plane 1	0.0
	TRICKS		Space per Plane 2	0.0
	Pause On/Off	On	Table Delta	0.00
	Auto Subtract	0	ACQ TIMING	
	Auto SCIC	Off	Freq DIR	R/L
	OTHERS		Auto Shim	Auto
	IEC	ON	Phase Correction	No
		1	USER CVS	
		0	In-range AutoTR Control	0
		0	User CV Mask	8388672
		0	MULTI-PHASE	
		0	Seperate Series	0
		0	Mask Phase	0
		0.000000	Mask Pause	0
		0.000000	DIFFUSION	
	Auto Voice	Off	Recon All Images	On
	Preset Delay	0.0	CONTRAST	
			Contrast Yes/No	No
			Contrast Amount	Yes

ASSET calibration

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	3D
Patient Position	Supine	Pulse Sequence	BRAVO
Coil Configuration	HD 8Ch High Res Brain Array by Invivo	Imaging Options	EDR, Fast, IrP, ARC
Plane	OBLIQUE	n/a	41
Series Description	Ax FSPGR BRAVO	SCAN RANGE	
SCAN TIMING		FOV	24.0
Flip Angle	12	Slice Thickness	1.0
Number of Echoes	1	Location per Slab	180
TI	450	Overlap Locations	0
Receiver Bandwidth	31.25	GRXOPT	0
IMAGE ENHANCE		Start Location 1	R86.4
Filter Choice	None	Start Location 2	A24.0
GATING/TRIGGER		Start Location 3	I68.5
Heart Beat per Minute Mode	0	End Location 1	L88.6
Auto Trigger Type	Off	End Location 2	A24.0
Auto Trigger Window	Off	End Location 3	I68.5
FMRI		Number of Slices	1
PSD Trigger	Internal	Slice for 3 Plane Localizaion	0
Slice Order	Interleaved	Slice for 3 Plane Localizaion	0
View Order	Bottom/Up	Slice for 3 Plane Localizaion	0
# of Repetitions REST	0	Space per Plane 1	0.0
# of Repetitions ACTIVE	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	On	NEX	1.00
OTHERS		Phase FOV	1.00
IEC	ON	Auto Shim	Auto
	1	Phase Correction	No
	0	USER CVS	
	0	In-range AutoTR Control	0
	0	User CV Mask	16
	0	MULTI-PHASE	
	0.000000	Seperate Series	0
	0.000000	Mask Phase	0
Auto Voice	Off	Mask Pause	0
Preset Delay	0.0	DIFFUSION	
		Recon All Images	On
		CONTRAST	
		Contrast Yes/No	No
		Contrast Amount	Yes

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Ax FSPGR BRAVO	PATIENT POSITION		IMAGING PARAMETERS	
	Patient Entry	Head First	Imaging Mode	3D
	Patient Position	Supine	Pulse Sequence	BRAVO
	Coil Configuration	HD 8Ch High Res Brain Array by Invivo	Imaging Options	EDR, Fast, IrP, ARC
	Plane	AXIAL	n/a	41
	Series Description	Ax FSPGR BRAVO	SCAN RANGE	
	SCAN TIMING		FOV	24.0
	Flip Angle	12	Slice Thickness	1.0
	Number of Echoes	1	Location per Slab	180
	TI	450	Overlap Locations	0
	Receiver Bandwidth	31.25	GRXOPT	0
	IMAGE ENHANCE		Start Location 1	L141.9
	Filter Choice	None	End Location 1	S33.1
	GATING/TRIGGER		End Location 2	L2.4
	Heart Beat per Minute Mode	0	End Location 3	A24.8
	Auto Trigger Type	Off	Center of Location Start	L2.4
	Auto Trigger Window	Off	Center of Location End	A24.8
	FMRI		Number of Slices	1
	PSD Trigger	Internal	Slice for 3 Plane Localizaion	0
	Slice Order	Interleaved	Slice for 3 Plane Localizaion	0
	View Order	Bottom/Up	Slice for 3 Plane Localizaion	0
	# of Repetitions REST	0	Space per Plane 1	0.0
	# of Repetitions ACTIVE	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	A/P
	Auto SCIC	On	NEX	1.00
	OTHERS		Phase FOV	1.00
	IEC	ON	Auto Shim	Auto
		1	Phase Correction	No
		0	USER CVS	
		0	In-range AutoTR Control	0
		0	User CV Mask	16
		0	MULTI-PHASE	
		0.000000	Seperate Series	0
		0.000000	Mask Phase	0
	Auto Voice	Off	Mask Pause	0
	Preset Delay	0.0	DIFFUSION	
			Recon All Images	On
			CONTRAST	
			Contrast Yes/No	No
			Contrast Amount	Yes

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Gradient Echo
Coil Configuration	HD 8Ch High Res Brain Array by Invivo	Imaging Options	EPI, Asset, FMRI
Plane	OBLIQUE	n/a	9
Series Description	fMRI motoryczne	SCAN RANGE	
SCAN TIMING		FOV	24.0
Flip Angle	90	Slice Thickness	3.0
TE	18.0	Slice Spacing	0.0
Number of Echoes	1	GRXOPT	0
TR	2000.0	Start Location 1	L0.5
Number of Shots	1	Start Location 2	A15.4
IMAGE ENHANCE		Start Location 3	I111.4
Filter Choice	None	End Location 1	L0.5
GATING/TRIGGER		End Location 2	A15.4
Heart Beat per Minute Mode	0	End Location 3	S17.6
Auto Trigger Type	Off	Number of Slices	44
Auto Trigger Window	Off	Slice for 3 Plane Localizaion	0
FMRI		Slice for 3 Plane Localizaion	0
Brain Wave Real Time	2	Slice for 3 Plane Localizaion	0
Paradigm String	OM_SGAMES1_TR120_200 oms_V2	Slice for 3 Plane Localizaion	0
Paradigm UID	1.2.840.113819.3.169133812646.1436378454211370.225	Space per Plane 1	0.0
Initial State	Control	Space per Plane 2	0.0
PSD Trigger	Internal	Table Delta	0.00
Slice Order	Sequential	ACQ TIMING	
View Order	Top/Down	Freq	64
# of Repetitions REST	10	Phase	64
# of Repetitions ACTIVE	10	Freq DIR	R/L
# of Dummy Acquisition	4	NEX	1.00
SAT		Phase FOV	1.00
Tag Type	None	Auto Shim	Auto
TRICKS		Phase Correction	Yes
Pause On/Off	On	USER CVS	
Auto Subtract	0	User CV0	1.00
Auto SCIC	Off	User CV Mask	1
OTHERS		MULTI-PHASE	
IEC	ON	Slice per Location	170
	1	Delay after Acquisition	0
	0	Seperate Series	0
	0	Delay after Acquisition without AV	0
	0	Mask Phase	0
	0	Mask Pause	0
	0	DIFFUSION	
	0.000000	Recon All Images	On
	0.000000	CONTRAST	
Auto Voice	Off	Contrast Yes/No	No
Preset Delay	0.0	Contrast Amount	Yes

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Gradient Echo
Coil Configuration	HD 8Ch High Res Brain Array by Invivo	Imaging Options	EPI, Asset, FMRI
Plane	OBLIQUE	n/a	9
Series Description	fMRI performance	SCAN RANGE	
SCAN TIMING		FOV	24.0
Flip Angle	90	Slice Thickness	3.0
TE	28.0	Slice Spacing	0.0
Number of Echoes	1	GRXOPT	0
TR	2000.0	Start Location 1	L0.5
Number of Shots	1	Start Location 2	A15.4
IMAGE ENHANCE		Start Location 3	I111.4
Filter Choice	None	End Location 1	L0.5
GATING/TRIGGER		End Location 2	A15.4
Heart Beat per Minute Mode	0	End Location 3	S17.6
Auto Trigger Type	Off	Number of Slices	44
Auto Trigger Window	Off	Slice for 3 Plane Localizaion	0
FMRI		Slice for 3 Plane Localizaion	0
Brain Wave Real Time	2	Slice for 3 Plane Localizaion	0
Paradigm String	OM_SGAMES1_TR120_200 oms_V2	Slice for 3 Plane Localizaion	0
Paradigm UID	1.2.840.113819.3.169133812646.1436378454211370.225	Space per Plane 1	0.0
Initial State	Control	Space per Plane 2	0.0
PSD Trigger	Internal	Table Delta	0.00
Slice Order	Sequential	ACQ TIMING	
View Order	Top/Down	Freq	64
# of Repetitions REST	10	Phase	64
# of Repetitions ACTIVE	10	Freq DIR	R/L
# of Dummy Acquisition	4	NEX	1.00
SAT		Phase FOV	1.00
Tag Type	None	Auto Shim	Auto
TRICKS		Phase Correction	Yes
Pause On/Off	On	USER CVS	
Auto Subtract	0	User CV0	1.00
Auto SCIC	Off	User CV Mask	1
OTHERS		MULTI-PHASE	
IEC	ON	Slice per Location	170
	1	Delay after Acquisition	0
	0	Seperate Series	0
	0	Delay after Acquisition without AV	0
	0	Mask Phase	0
	0	Mask Pause	0
	0	DIFFUSION	
	0.000000	Recon All Images	On
	0.000000	CONTRAST	
Auto Voice	Off	Contrast Yes/No	No
Preset Delay	0.0	Contrast Amount	Yes

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PATIENT POSITION		IMAGING PARAMETERS	
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Patient Position	Supine	Pulse Sequence	Gradient Echo
Coil Configuration	HD 8Ch High Res Brain Array by Invivo	Imaging Options	EPI, Asset, FMRI
Plane	OBLIQUE	n/a	9
Series Description	fMRI szachownica	SCAN RANGE	
SCAN TIMING		FOV	24.0
Flip Angle	90	Slice Thickness	3.0
TE	28.0	Slice Spacing	0.0
Number of Echoes	1	GRXOPT	0
TR	2000.0	Start Location 1	L0.5
Number of Shots	1	Start Location 2	A15.4
IMAGE ENHANCE		Start Location 3	I111.4
Filter Choice	None	End Location 1	L0.5
GATING/TRIGGER		End Location 2	A15.4
Heart Beat per Minute Mode	0	End Location 3	S17.6
Auto Trigger Type	Off	Number of Slices	44
Auto Trigger Window	Off	Slice for 3 Plane Localizaion	0
FMRI		Slice for 3 Plane Localizaion	0
Brain Wave Real Time	2	Slice for 3 Plane Localizaion	0
Paradigm String	OM_SGAMES1_TR120_200 oms_V2	Slice for 3 Plane Localizaion	0
Paradigm UID	1.2.840.113819.3.169133812646.1436378454211370.225	Space per Plane 1	0.0
Initial State	Control	Space per Plane 2	0.0
PSD Trigger	Internal	Table Delta	0.00
Slice Order	Sequential	ACQ TIMING	
View Order	Top/Down	Freq	64
# of Repetitions REST	10	Phase	64
# of Repetitions ACTIVE	10	Freq DIR	R/L
# of Dummy Acquisition	4	NEX	1.00
SAT		Phase FOV	1.00
Tag Type	None	Auto Shim	Auto
TRICKS		Phase Correction	Yes
Pause On/Off	On	USER CVS	
Auto Subtract	0	User CV0	1.00
Auto SCIC	Off	In-range AutoTR Control	0
OTHERS		User CV Mask	1
IEC	ON	MULTI-PHASE	
	1	Slice per Location	170
	0	Delay after Acquisition	0
	0	Seperate Series	0
	0	Delay after Acquisition without AV	0
	0	Mask Phase	0
	0	Mask Pause	0
	0	DIFFUSION	
	0.000000	Recon All Images	On
	0.000000	CONTRAST	
Auto Voice	Off	Contrast Yes/No	No
Preset Delay	0.0	Contrast Amount	Yes