

Protocol: adult\_other\_STRATIFYA170221NODDI\_20170221193046497\_1

LOC, None

PATIENT POSITION	
Patient Entry	Head First
Patient Position	Supine
Coil Configuration	Nova 32ch-Brain
Plane	3-PLANE
Series Description	LOC, None
SCAN TIMING	
TE	80.0
TR	Minimum
Receiver Bandwidth	83.33
IMAGE ENHANCE	
Filter Choice	None
GATING/TRIGGER	
Auto Trigger Type	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

LOC, None

IMAGING PARAMETERS	
Imaging Mode	2D
Pulse Sequence	Spin Echo
Imaging Options	Seq, EDR, Fast, SS, ARC
SCAN RANGE	
FOV	24.0
Slice Thickness	8.0
Slice Spacing	0.0
ACQ TIMING	
Freq	384
Phase	160
Freq DIR	Unswap
# of Acq. Before Pause	0
Phase FOV	1.00
Auto Shim	Auto
Phase Correction	No
USER CVS	
User CV1	1.00
User CV2	240.00
User CV13	1.00
MULTI-PHASE	
Seperate Series	0
Mask Phase	0
Mask Pause	0
DIFFUSION	
Recon All Images	On
CONTRAST	
Contrast Yes/No	No

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66 slice prescription	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	Spin Echo
	Coil Configuration	Nova 32ch-Brain	Imaging Options	EDR, EPI, DIFF
	Plane	AXIAL	<b>SCAN RANGE</b>	
	Series Description	66 slice prescription	FOV	25.6
	<b>SCAN TIMING</b>		Slice Thickness	2.0
	TE	Minimum	Slice Spacing	0.0
	Number of Echoes	1	<b>ACQ TIMING</b>	
	TR	11000.0	Freq	128
	Number of Shots	1	Phase	128
	<b>IMAGE ENHANCE</b>		Freq DIR	R/L
	Filter Choice	None	Phase FOV	1.00
	<b>GATING/TRIGGER</b>		Auto Shim	On
	Auto Trigger Type	Off	Phase Correction	Yes
	<b>FMRI</b>		<b>USER CVS</b>	
	PSD Trigger	Internal	User CV5	1.00
	Slice Order	Interleaved	User CV17	1.00
	View Order	Bottom/Up	<b>MULTI-PHASE</b>	
	# of Repetitions REST	0	Seperate Series	0
	# of Repetitions ACTIVE	0	Mask Phase	0
	<b>SAT</b>		Mask Pause	0
	Tag Type	None	<b>DIFFUSION</b>	
	Fat/Water Saturation	Fat	Optimized TE	Yes
	<b>TRICKS</b>		Diffusion Directions	Tensor
	Pause On/Off	On	Number of Diffusion Directions	6
	Auto Subtract	0	Number of T2 Images	1
	Auto SCIC	Off	Dual Spin Echo	On
	<b>OTHERS</b>		Diffusion Tenser Processing Output	No Selection
	Protocol Notes	Prescribe 66 slices, pure axial, inferior to superior PRESCAN, but DO NOT RUN		
			<b>CONTRAST</b>	
			Contrast Yes/No	No

66 slice prescription

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22 slice prescription

PATIENT POSITION	
Patient Entry	Head First
Patient Position	Supine
Coil Configuration	Nova 32ch-Brain
Plane	AXIAL
Series Description	22 slice prescription
SCAN TIMING	
TE	Minimum
Number of Echoes	1
TR	11000.0
Number of Shots	1
IMAGE ENHANCE	
Filter Choice	None
GATING/TRIGGER	
Auto Trigger Type	Off
FMRI	
PSD Trigger	Internal
Slice Order	Interleaved
View Order	Bottom/Up
# of Repetitions REST	0
# of Repetitions ACTIVE	0
SAT	
Tag Type	None
Fat/Water Saturation	Fat
TRICKS	
Pause On/Off	On
Auto Subtract	0
Auto SCIC	Off
OTHERS	
Protocol Notes	Copy prescription from "66 slice prescription", and then remove 22 slices superiorly (leaving 44 slices) and 22 inferiorly (leaving a final 22 slices). SAVE prescription, but DO NOT RUN

22 slice prescription

IMAGING PARAMETERS	
Imaging Mode	2D
Pulse Sequence	Spin Echo
Imaging Options	EDR, EPI, DIFF
SCAN RANGE	
FOV	25.6
Slice Thickness	2.0
Slice Spacing	0.0
ACQ TIMING	
Freq	128
Phase	128
Freq DIR	R/L
Phase FOV	1.00
Auto Shim	Off
Phase Correction	Yes
USER CVS	
User CV5	1.00
User CV17	1.00
MULTI-PHASE	
Seperate Series	0
Mask Phase	0
Mask Pause	0
DIFFUSION	
Optimized TE	Yes
Diffusion Directions	Tensor
Number of Diffusion Directions	6
Number of T2 Images	1
Dual Spin Echo	On
Diffusion Tenser Processing Output	No Selection
Recon All Images	Off
CONTRAST	
Contrast Yes/No	No

22 slice prescription

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MB3DTI TR3.5 TOPUP B2000	<b>PATIENT POSITION</b>		<b>IMAGING PARAMETERS</b>	
	Patient Entry	Head First	Imaging Mode	2D
	Patient Position	Supine	Pulse Sequence	Spin Echo
	Coil Configuration	Nova 32ch-Brain	Imaging Options	EDR, EPI, DIFF
	Plane	AXIAL	PSD Name	muxEPI2
	Series Description	MB3DTI TR3.5 TOPUP B2000	<b>SCAN RANGE</b>	
	<b>SCAN TIMING</b>		FOV	25.6
	Flip Angle	90	Slice Thickness	2.0
	TE	97.0	Slice Spacing	0.0
	TR	3500.0	<b>ACQ TIMING</b>	
	Number of Shots	1	Freq	128
	Receiver Bandwidth	125.00	Phase	128
	<b>IMAGE ENHANCE</b>		Freq DIR	R/L
	Filter Choice	None	Phase FOV	1.00
	<b>GATING/TRIGGER</b>		Auto Shim	Off
	Auto Trigger Type	Off	Phase Correction	Yes
	<b>FMRI</b>		<b>USER CVS</b>	
	PSD Trigger	Internal	User CV1	1.00
	Slice Order	Interleaved	User CV3	1.00
	View Order	Bottom/Up	User CV5	1.00
	# of Repetitions REST	0	User CV13	9.00
	# of Repetitions ACTIVE	0	User CV15	2235.00
	<b>SAT</b>		User CV16	3.00
	Tag Type	None	User CV22	3.00
	Fat/Water Saturation	Fat	TR Min	2000.0
	<b>TRICKS</b>		TR Max	17000.0
	Pause On/Off	On	<b>MULTI-PHASE</b>	
	Auto Subtract	0	Seperate Series	0
	Auto SCIC	Off	Mask Phase	0
	<b>OTHERS</b>		Mask Pause	0
	Protocol Notes	Prescription is linked to "22 slice prescription" Scan as normal. Images will have lots of overlap and wrap; this is normal! (Do not change any CVs)		
			<b>DIFFUSION</b>	
			Optimized TE	Yes
			Diffusion Directions	Tensor
			Number of Diffusion Directions	6
			Number of T2 Images	6
			Dual Spin Echo	Off
			Diffusion Tensor Processing Output	No Selection
			Recon All Images	Off
			<b>CONTRAST</b>	
			Contrast Yes/No	No

MB3DTI TR3.5 TOPUP B2000

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MB3DTI TR3.5 74 B2000

PATIENT POSITION	
Patient Entry	Head First
Patient Position	Supine
Coil Configuration	Nova 32ch-Brain
Plane	AXIAL
Series Description	MB3DTI TR3.5 74 B2000
SCAN TIMING	
Flip Angle	90
TE	97.0
TR	3500.0
Number of Shots	1
Receiver Bandwidth	125.00
IMAGE ENHANCE	
Filter Choice	None
GATING/TRIGGER	
Auto Trigger Type	Off
FMRI	
PSD Trigger	Internal
Slice Order	Interleaved
View Order	Bottom/Up
# of Repetitions REST	0
# of Repetitions ACTIVE	0
SAT	
Tag Type	None
Fat/Water Saturation	Fat
TRICKS	
Pause On/Off	On
Auto Subtract	0
Auto SCIC	Off
OTHERS	
Protocol Notes	Prescription is linked to "22 slice prescription" Select "Diffusion" tab, and set "# of Diffusion Directions" to 74 Save Rx and scan as normal. Images will have lots of overlap and wrap; this is normal! (Do not change any CVs)

MB3DTI TR3.5 74 B2000

IMAGING PARAMETERS	
Imaging Mode	2D
Pulse Sequence	Spin Echo
Imaging Options	EDR, EPI, DIFF
PSD Name	muxEPI2
SCAN RANGE	
FOV	25.6
Slice Thickness	2.0
Slice Spacing	0.0
ACQ TIMING	
Freq	128
Phase	128
Freq DIR	R/L
Phase FOV	1.00
Auto Shim	Off
Phase Correction	Yes
USER CVS	
User CV3	1.00
User CV5	1.00
User CV13	9.00
User CV15	2235.00
User CV16	3.00
User CV22	3.00
TR Min	2000.0
TR Max	17000.0
MULTI-PHASE	
Seperate Series	0
Mask Phase	0
Mask Pause	0
DIFFUSION	
Optimized TE	Yes
Diffusion Directions	Tensor
Number of Diffusion Directions	6
Number of T2 Images	7
Dual Spin Echo	Off
Diffusion Tenser Processing Output	No Selection
Recon All Images	Off
CONTRAST	
Contrast Yes/No	No

MB3DTI TR3.5 74 B2000

MB3DTI TR3.5 74 B2000

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PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	2D
Patient Position	Supine	Pulse Sequence	Spin Echo
Coil Configuration	Nova 32ch-Brain	Imaging Options	EDR, EPI, DIFF
Plane	AXIAL	PSD Name	muxEPI2
Series Description	MB3DTI TR3.5 124 B2000	SCAN RANGE	
SCAN TIMING		FOV	25.6
Flip Angle	90	Slice Thickness	2.0
TE	97.0	Slice Spacing	0.0
TR	3500.0	ACQ TIMING	
Number of Shots	1	Freq	128
Receiver Bandwidth	125.00	Phase	128
IMAGE ENHANCE		Freq DIR	R/L
Filter Choice	None	Phase FOV	1.00
GATING/TRIGGER		Auto Shim	Off
Auto Trigger Type	Off	Phase Correction	Yes
FMRI		USER CVS	
PSD Trigger	Internal	User CV3	1.00
Slice Order	Interleaved	User CV5	1.00
View Order	Bottom/Up	User CV13	9.00
# of Repetitions REST	0	User CV15	2235.00
# of Repetitions ACTIVE	0	User CV16	3.00
SAT		User CV22	3.00
Tag Type	None	TR Min	2000.0
Fat/Water Saturation	Fat	TR Max	17000.0
TRICKS		MULTI-PHASE	
Pause On/Off	On	Seperate Series	0
Auto Subtract	0	Mask Phase	0
Auto SCIC	Off	Mask Pause	0
OTHERS		DIFFUSION	
Protocol Notes	Prescription is linked to "22 slice prescription" Select "Diffusion" tab, and set "# of Diffusion Directions" to 124 Save Rx, then manual Prescan and immediately Done . Scan as normal. Images will have lots of overlap and wrap; this is normal! (Do not change any CVs)		
		CONTRAST	
		Contrast Yes/No	No

MB3DTI TR3.5 124 B2000

MB3DTI TR3.5 124 B2000

MB3DTI TR3.5 124 B2000