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*

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*

LOC,None

Protocol: adult_other_STRATIFYA170221NODDI_20170221193046497_1

PATIENT POSITION	
Patient Entry	*Head First*
Patient Position	*Supine*
Coil Configuration	*Nova 32ch-Brain*
Plane	*AXIAL*
Series Description	*66 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	*Prescribe 66 slices, pure axial , inferior to superior PRESCAN, but DO NOT RUN*

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	*On*
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

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*

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

MB3DTI TR3.5 TOPUP B2000 (left margin)

PATIENT POSITION

Patient Entry	Head First
Patient Position	Supine
Coil Configuration	Nova 32ch-Brain
Plane	AXIAL
Series Description	MB3DTI TR3.5 TOPUP 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" Scan as normal. Images will have lots of overlap and wrap; this is normal! (Do not change any CVs)

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 CV1	1.00
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	6
Dual Spin Echo	Off
Diffusion Tenser Processing Output	No Selection
Recon All Images	Off

CONTRAST

Contrast Yes/No	No

MB3DTI TR3.5 TOPUP B2000 (right margin)

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 74 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 74 Save Rx and scan as normal. Images will have lots of overlap and wrap; this is normal! (Do not change any CVs)	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

PATIENT POSITION	
Patient Entry	*Head First*
Patient Position	*Supine*
Coil Configuration	*Nova 32ch-Brain*
Plane	*AXIAL*
Series Description	*MB3DTI TR3.5 124 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 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)*

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 TR3.5 124 B2000