Protocol: pediatric_head_*Prematura vid fullgångstid Endast 32 Kanal spole

Localizer

PATIENT POSITION	
Patient Entry	Head First
Patient Position	Supine
Coil Configuration	Nova 32ch Brain for 750w
Plane	3-PLANE
Series Description	Localizer

SCAN TIMING	
TE	Minimum
Number of Echoes	1
TR	1000.0
Receiver Bandwidth	83.33

IMAGE ENHANCE	
Filter Choice	None

GATING/TRIGGER	
Auto Trigger Type	Off

FMRI	
PSD Trigger	Internal
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

OTHERS	
Protocol Notes	OBS!!! Ingen kilkudde under spolen.

IMAGING PARAMETERS	
Imaging Mode	2D
Pulse Sequence	Spin Echo
Imaging Options	Seq, EDR, Fast, SS, ART, ARC

SCAN RANGE	
FOV	24.0
Slice Thickness	10.0
Slice Spacing	6.0

ACQ TIMING	
Freq	256
Phase	128
Freq DIR	Unswap
# of Acq. Before Pause	0
Phase FOV	0.90
Auto Shim	Auto
Phase Correction	No

USER CVS	
User CV2	240.00
User CV13	1.00

MULTI-PHASE	
Seperate Series	0
Mask Phase	0
Mask Pause	0
Acoustic Reduction Level	3

DIFFUSION	
Recon All Images	On

CONTRAST	
Contrast Yes/No	No

Localizer

PATIENT POSITION	
Patient Entry	Head First
Patient Position	Supine
Coil Configuration	32 Ch Head Coil
Plane	OBLIQUE
Series Description	Sag T2 ART

SCAN TIMING	
Flip Angle	140
TE	105.0
Number of Echoes	1
TR	4283.0
Echo Train Length	20
Receiver Bandwidth	31.25

IMAGE ENHANCE	
Filter Choice	A

GATING/TRIGGER	
Auto Trigger Type	Off

FMRI	
PSD Trigger	Internal
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

IMAGING PARAMETERS	
Imaging Mode	2D
Pulse Sequence	FSE-XL
Imaging Options	EDR, TRF, Fast, ART, ARC

SCAN RANGE	
FOV	20.0
Slice Thickness	3.0
Slice Spacing	0.3

ACQ TIMING	
Freq	300
Phase	240
Freq DIR	S/I
Fat Shift DIR	Normal (S)
NEX	1.00
# of Acq. Before Pause	0
Phase FOV	0.90
Auto Shim	Auto
Phase Correction	Yes

USER CVS	
User CV22	1.00
TR Min	3500.0
TR Max	6000.0

MULTI-PHASE	
Seperate Series	0
Mask Phase	0
Mask Pause	0
Acoustic Reduction Level	1

DIFFUSION	
Recon All Images	On

CONTRAST	
Contrast Yes/No	No

Sag T2 ART

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Protocol: pediatric_head_*Prematura vid fullgångstid Endast 32 Kanal spole

PATIENT POSITION	
Patient Entry	*Head First*
Patient Position	*Supine*
Coil Configuration	*32 Ch Head Coil*
Plane	*OBLIQUE*
Series Description	*Ax T2 NEO ART*

SCAN TIMING	
Flip Angle	*111*
TE	*147.0*
Number of Echoes	*1*
TR	*8332.0*
Echo Train Length	*15*
Receiver Bandwidth	*25.00*

IMAGE ENHANCE	
Filter Choice	*None*

GATING/TRIGGER	
Auto Trigger Type	*Off*

FMRI	
PSD Trigger	*Internal*
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*

IMAGING PARAMETERS	
Imaging Mode	*2D*
Pulse Sequence	*FSE-XL*
Imaging Options	*EDR, TRF, Fast, ZIP512, FR, ART, ARC*

SCAN RANGE	
FOV	*19.2*
Slice Thickness	*1.0*
Slice Spacing	*Intleave*

ACQ TIMING	
Freq	*192*
Phase	*192*
Freq DIR	*A/P*
Fat Shift DIR	*Normal (A)*
NEX	*1.00*
# of Acq. Before Pause	*0*
Phase FOV	*1.00*
Auto Shim	*Auto*
Phase Correction	*Yes*

USER CVS	
User CV18	*1.00*
User CV22	*1.00*
TR Min	*2500.0*
TR Max	*11000.0*

MULTI-PHASE	
Seperate Series	*0*
Mask Phase	*0*
Mask Pause	*0*
Acoustic Reduction Level	*1*

DIFFUSION	
Recon All Images	*On*

CONTRAST	
Contrast Yes/No	*No*

Ax T2 NEO ART

Ax T1 FLAIR ART

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	**Imaging Mode**	2D
Patient Position	Supine	**Pulse Sequence**	FSE-XL
Coil Configuration	32 Ch Head Coil	**Imaging Options**	Seq, EDR, TRF, Fast, ART, T1flair
Plane	OBLIQUE		
Series Description	Ax T1 FLAIR ART	**SCAN RANGE**	
		FOV	20.0
SCAN TIMING		**Slice Thickness**	3.0
Flip Angle	111	**Slice Spacing**	0.3
TE	24.0		
Number of Echoes	1	**ACQ TIMING**	
TR	2992.5	**Freq**	296
TI	872	**Phase**	234
Echo Train Length	6	**Freq DIR**	A/P
Receiver Bandwidth	41.67	**Fat Shift DIR**	Normal (A)
		NEX	2.00
IMAGE ENHANCE		**Phase FOV**	0.90
Filter Choice	None	**Auto Shim**	Auto
		Phase Correction	No
GATING/TRIGGER			
Auto Trigger Type	Off	**USER CVS**	
		User CV12	1.00
FMRI		**User CV22**	1.00
PSD Trigger	Internal		
View Order	Bottom/Up	**MULTI-PHASE**	
# of Repetitions REST	0	**Seperate Series**	0
# of Repetitions ACTIVE	0	**Mask Phase**	0
		Mask Pause	0
SAT		**Acoustic Reduction Level**	1
Tag Type	None		
		DIFFUSION	
TRICKS		**Recon All Images**	On
Pause On/Off	On		
Auto Subtract	0	**CONTRAST**	
Auto SCIC	2	**Contrast Yes/No**	No

Ax T1 FLAIR ART

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Protocol: pediatric_head_*Prematura vid fullgångstid Endast 32 Kanal spole

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	Head First	Imaging Mode	3D
Patient Position	Supine	Pulse Sequence	SPGR
Coil Configuration	32 Ch Head Coil	Imaging Options	EDR, Fast, ARC
Plane	OBLIQUE	PSD Name	ksepi2
Series Description	Ax_3D_SWIEPI	**SCAN RANGE**	
SCAN TIMING		FOV	24.0
Flip Angle	20	Slice Thickness	2.0
TE	Min Full	**ACQ TIMING**	
Number of Echoes	1	Freq	448
TR	Minimum	Phase	448
Number of Shots	32	Freq DIR	Unswap
Receiver Bandwidth	83.33	NEX	1.00
IMAGE ENHANCE		Phase FOV	1.00
Filter Choice	None	Auto Shim	Auto
GATING/TRIGGER		Phase Correction	No
Auto Trigger Type	Off	**USER CVS**	
FMRI		User CV1	1.75
PSD Trigger	Internal	User CV2	1.00
View Order	Bottom/Up	User CV7	6.00
# of Repetitions REST	0	**MULTI-PHASE**	
# of Repetitions ACTIVE	0	Seperate Series	0
SAT		Mask Phase	0
Tag Type	None	Mask Pause	0
TRICKS		**DIFFUSION**	
Pause On/Off	On	Recon All Images	On
Auto Subtract	0	**CONTRAST**	
Auto SCIC	2	Contrast Yes/No	No

Ax_3D_SWIEPI

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Cor T2 PROP ART

PATIENT POSITION	
Patient Entry	*Head First*
Patient Position	*Supine*
Coil Configuration	*Nova 32ch Brain for 750w*
Plane	*OBLIQUE*
Series Description	*Cor T2 PROP ART*

SCAN TIMING	
Flip Angle	*142*
Number of Echoes	*1*
TR	*5645.0*
Echo Train Length	*30*
Receiver Bandwidth	*41.67*

IMAGE ENHANCE	
Filter Choice	*None*

GATING/TRIGGER	
Auto Trigger Type	*Off*

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

SAT	
SAT Location	*I*
Tag Type	*None*

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

IMAGING PARAMETERS	
Imaging Mode	*2D*
Pulse Sequence	*PROPELLER*
Imaging Options	*EDR, TRF, Fast, ART, ARC*

SCAN RANGE	
FOV	*20.0*
Slice Thickness	*3.0*
Slice Spacing	*0.3*

ACQ TIMING	
Freq	*336*
Freq DIR	*S/I*
Fat Shift DIR	*Normal (I)*
NEX	*2.50*
# of Acq. Before Pause	*0*
Auto Shim	*Auto*
Phase Correction	*No*

USER CVS	
User CV5	*1.00*
TR Min	*3000.0*
TR Max	*10000.0*

MULTI-PHASE	
Seperate Series	*0*
Mask Phase	*0*
Mask Pause	*0*
Acoustic Reduction Level	*1*

DIFFUSION	
Recon All Images	*On*

CONTRAST	
Contrast Yes/No	*No*

Cor T2 PROP ART

Protocol: pediatric_head_*Prematura vid fullgångstid Endast 32 Kanal spole

PATIENT POSITION	
Patient Entry	Head First
Patient Position	Supine
Coil Configuration	Nova 32ch Brain for 750w
Plane	OBLIQUE
Series Description	Ax DTI 15R B800 ART

SCAN TIMING	
TE	Minimum
Number of Echoes	1
TR	8033.0
Number of Shots	1

IMAGE ENHANCE	
Filter Choice	None

GATING/TRIGGER	
Auto Trigger Type	Off

FMRI	
PSD Trigger	Internal
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

IMAGING PARAMETERS	
Imaging Mode	2D
Pulse Sequence	Spin Echo
Imaging Options	EPI, DIFF, Asset, ART

SCAN RANGE	
FOV	22.0
Slice Thickness	3.6
Slice Spacing	0.0

ACQ TIMING	
Freq	128
Phase	128
Freq DIR	R/L
Phase FOV	1.00
Auto Shim	Auto
Phase Correction	Yes

USER CVS	
User CV5	1.00
User CV17	1.00
TR Min	2000.0
TR Max	15000.0

MULTI-PHASE	
Seperate Series	0
Mask Phase	0
Mask Pause	0
Acoustic Reduction Level	3

DIFFUSION	
Optimized TE	Yes
Diffusion Directions	Tensor
Number of Diffusion Directions	15
Number of T2 Images	2
Dual Spin Echo	On
Diffusion Tenser Processing Output	No Selection
Recon All Images	Off

CONTRAST	
Contrast Yes/No	No

Ax DTI 15R B800 ART

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PATIENT POSITION	
Patient Entry	Head First
Patient Position	Supine
Coil Configuration	32 Ch Head Coil
Plane	OBLIQUE
Series Description	Ax DTI 2mm 64R ART

SCAN TIMING	
TE	Minimum
Number of Echoes	1
TR	7021.0
Number of Shots	1

IMAGE ENHANCE	
Filter Choice	None

GATING/TRIGGER	
Auto Trigger Type	Off

FMRI	
PSD Trigger	Internal
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	2

IMAGING PARAMETERS	
Imaging Mode	2D
Pulse Sequence	Spin Echo
Imaging Options	EDR, Cla, EPI, DIFF, Asset, ART

SCAN RANGE	
FOV	20.0
Slice Thickness	2.0
Slice Spacing	0.0

ACQ TIMING	
Freq	100
Phase	100
Freq DIR	R/L
Phase FOV	1.00
Auto Shim	Auto
Phase Correction	Yes

USER CVS	
User CV5	1.00
User CV17	1.00
TR Min	2000.0
TR Max	17000.0

MULTI-PHASE	
Seperate Series	0
Mask Phase	0
Mask Pause	0
Acoustic Reduction Level	3

DIFFUSION	
Optimized TE	Yes
Diffusion Directions	Tensor
Number of Diffusion Directions	64
Number of T2 Images	6
Dual Spin Echo	Off
Diffusion Tenser Processing Output	No Selection
Recon All Images	Off

CONTRAST	
Contrast Yes/No	No

Ax DTI 2mm 64R ART

Protocol: pediatric_head_*Prematura vid fullgångstid Endast 32 Kanal spole

PATIENT POSITION

Patient Entry	*Head First*
Patient Position	*Supine*
Coil Configuration	*32 Ch Head Coil*
Plane	*3-PLANE*
Series Description	*--- SWI Rörlig Pat ---*

SCAN TIMING

TE	*Minimum*
Number of Echoes	*1*
TR	*1000.0*

IMAGE ENHANCE

Filter Choice	*None*

GATING/TRIGGER

Auto Trigger Type	*Off*

FMRI

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

SAT

Tag Type	*None*

TRICKS

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

IMAGING PARAMETERS

Imaging Mode	*2D*
Pulse Sequence	*Spin Echo*
Imaging Options	*Seq, EDR, Fast, SS, ART, ARC*

SCAN RANGE

FOV	*24.0*
Slice Thickness	*10.0*
Slice Spacing	*6.0*

ACQ TIMING

Freq	*256*
Phase	*128*
Freq DIR	*Unswap*
# of Acq. Before Pause	*0*
Phase FOV	*0.90*
Auto Shim	*Auto*
Phase Correction	*No*

USER CVS

User CV2	*240.00*
User CV13	*1.00*

MULTI-PHASE

Seperate Series	*0*
Mask Phase	*0*
Mask Pause	*0*
Acoustic Reduction Level	*3*

DIFFUSION

Recon All Images	*On*

CONTRAST

Contrast Yes/No	*No*

Protocol: pediatric_head_*Prematura vid fullgångstid Endast 32 Kanal spole

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	*Head First*	**Imaging Mode**	*2D*
Patient Position	*Supine*	**Pulse Sequence**	*Gradient Echo*
Coil Configuration	*32 Ch Head Coil*	**Imaging Options**	*EDR, EPI, ARC*
Plane	*AXIAL*	**PSD Name**	*ksepi2*
Series Description	*Ax_2D_SWIEPI*	**SCAN RANGE**	
SCAN TIMING		**FOV**	*22.0*
Flip Angle	*70*	**Slice Thickness**	*3.0*
TE	*Min Full*	**Slice Spacing**	*0.0*
Number of Echoes	*1*	**ACQ TIMING**	
TR	*Minimum*	**Freq**	*288*
Number of Shots	*14*	**Phase**	*288*
Receiver Bandwidth	*83.33*	**Freq DIR**	*R/L*
IMAGE ENHANCE		**NEX**	*4.00*
Filter Choice	*None*	**Phase FOV**	*1.00*
GATING/TRIGGER		**Auto Shim**	*Auto*
Auto Trigger Type	*Off*	**Phase Correction**	*No*
FMRI		**USER CVS**	
PSD Trigger	*Internal*	**User CV1**	*1.00*
View Order	*Bottom/Up*	**User CV2**	*1.00*
# of Repetitions REST	*0*	**User CV3**	*1.00*
# of Repetitions ACTIVE	*0*	**User CV7**	*6.00*
SAT		**MULTI-PHASE**	
Tag Type	*None*	**Seperate Series**	*0*
TRICKS		**Mask Phase**	*0*
Pause On/Off	*On*	**Mask Pause**	*0*
Auto Subtract	*0*	**DIFFUSION**	
Auto SCIC	*2*	**Recon All Images**	*On*
		CONTRAST	
		Contrast Yes/No	*No*

Ax_2D_SWIEPI

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Protocol: pediatric_head_*Prematura vid fullgångstid Endast 32 Kanal spole

PATIENT POSITION		IMAGING PARAMETERS	
Patient Entry	*Head First*	**Imaging Mode**	*2D*
Patient Position	*Supine*	**Pulse Sequence**	*Gradient Echo*
Coil Configuration	*GEM Head*	**Imaging Options**	*Seq, Fast*
Plane	*3-PLANE*		
Series Description	*--Eventuellt--*	**SCAN RANGE**	
		FOV	*24.0*
SCAN TIMING		**Slice Thickness**	*10.0*
Number of Echoes	*1*	**Slice Spacing**	*5.0*
IMAGE ENHANCE		**ACQ TIMING**	
Filter Choice	*None*	**Freq**	*256*
		Phase	*128*
GATING/TRIGGER		**Freq DIR**	*Unswap*
Auto Trigger Type	*Off*	**NEX**	*1.00*
		Phase FOV	*1.00*
MULTI-PHASE		**Auto Shim**	*Auto*
Seperate Series	*0*	**Phase Correction**	*No*
Mask Phase	*0*		
Mask Pause	*0*	**FMRI**	
		PSD Trigger	*Internal*
DIFFUSION		**Slice Order**	*Interleaved*
Recon All Images	*On*	**View Order**	*Bottom/Up*
		# of Repetitions REST	*0*
CONTRAST		**# of Repetitions ACTIVE**	*0*
Contrast Yes/No	*No*		
		SAT	
		Tag Type	*None*
		TRICKS	
		Pause On/Off	*On*
		Auto Subtract	*0*
		Auto SCIC	*Off*

Protocol: pediatric_head_*Prematura vid fullgångstid Endast 32 Kanal spole

Ax T1 FLAIR PROP ART

PATIENT POSITION	
Patient Entry	*Head First*
Patient Position	*Supine*
Coil Configuration	*Nova 32ch Brain for 750w*
Plane	*OBLIQUE*
Series Description	*Ax T1 FLAIR PROP ART*

SCAN TIMING	
Flip Angle	*111*
Number of Echoes	*1*
TR	*2802.0*
TI	*1131*
Echo Train Length	*14*
Receiver Bandwidth	*41.67*

IMAGE ENHANCE	
Filter Choice	*None*

GATING/TRIGGER	
Auto Trigger Type	*Off*

FMRI	
PSD Trigger	*Internal*
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*

IMAGING PARAMETERS	
Imaging Mode	*2D*
Pulse Sequence	*PROPELLER*
Imaging Options	*EDR, TRF, Fast, ART, ARC, T1flair*

SCAN RANGE	
FOV	*22.0*
Slice Thickness	*3.0*
Slice Spacing	*0.3*

ACQ TIMING	
Freq	*280*
Freq DIR	*A/P*
Fat Shift DIR	*Normal (A)*
NEX	*3.50*
# of Acq. Before Pause	*0*
Auto Shim	*Auto*
Phase Correction	*No*

USER CVS	
User CV5	*1.00*
User CV12	*1.00*

MULTI-PHASE	
Seperate Series	*0*
Mask Phase	*0*
Mask Pause	*0*
Acoustic Reduction Level	*1*

DIFFUSION	
Recon All Images	*On*

CONTRAST	
Contrast Yes/No	*No*

Protocol: pediatric_head_*Prematura vid fullgångstid Endast 32 Kanal spole

PATIENT POSITION	
Patient Entry	*Head First*
Patient Position	*Supine*
Coil Configuration	*32 Ch Head Coil*
Plane	*OBLIQUE*
Series Description	*Ax T2 PROP ART*

SCAN TIMING	
Flip Angle	*111*
Number of Echoes	*1*
TR	*8852.0*
Echo Train Length	*31*
Receiver Bandwidth	*41.67*

IMAGE ENHANCE	
Filter Choice	*None*

GATING/TRIGGER	
Auto Trigger Type	*Off*

FMRI	
PSD Trigger	*Internal*
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*

IMAGING PARAMETERS	
Imaging Mode	*2D*
Pulse Sequence	*PROPELLER*
Imaging Options	*EDR, TRF, Fast, FR, ARC*

SCAN RANGE	
FOV	*20.0*
Slice Thickness	*3.0*
Slice Spacing	*0.3*

ACQ TIMING	
Freq	*360*
Freq DIR	*A/P*
Fat Shift DIR	*Normal (A)*
NEX	*2.30*
Auto Shim	*On*
Phase Correction	*No*

USER CVS	
User CV5	*1.00*
TR Min	*400.0*
TR Max	*11000.0*

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

DIFFUSION	
Recon All Images	*On*

CONTRAST	
Contrast Yes/No	*No*

Ax T2 PROP ART

Ax T2 PROP ART