

**SIEMENS MAGNETOM Skyra syngo MR D13**

\\USER\UKBiobank\_Head\head\_v6.0\head\_v6.8\_asl\fme\_pCASL\_BL1800\_PLD1200  
 TA:0:21 Voxel size:3.4×3.4×4.5 mm Rel. SNR:1.00 :fme\_asl

**Properties**

Prio Recon	Off
Load to viewer	On
Inline movie	Off
Auto store images	On
Load to stamp segments	Off
Load images to graphic segments	Off
Auto open inline display	Off
Wait for user to start	Off
Start measurements	single

**Routine**

Nr. of slab groups	1
Slabs	1
Dist. factor	50 %
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	R >> L
AutoAlign	Head > Brain
Phase oversampling	0 %
Slice oversampling	0.0 %
FoV read	220 mm
FoV phase	75.0 %
Slice thickness	4.50 mm
TR	3420 ms
TE	29.4 ms
Averages	1
Concatenations	1
Filter	Prescan Normalize
Coil elements	HEA;HEP

**Contrast**

Flip angle	120 deg
Fat suppr.	Fat sat.
Fat sat. mode	Weak
Averaging mode	Long term
Measurements	1
Delay in TR	0 ms
Reconstruction	Magnitude
Multiple series	Off
Perfusion mode	FAIR QII
Averaging mode	CONSTANT

**Resolution**

Base resolution	64
Phase resolution	100 %
Phase partial Fourier	Off
Interpolation	Off
Distortion Corr.	Off
Unfiltered images	On
Prescan Normalize	On
Normalize	Off
Raw filter	Off
Elliptical filter	Off
Slice partial Fourier	6/8
Dynamic Field Corr.	Off

**Geometry**

Nr. of slab groups	1
Slabs	1
Dist. factor	50 %
Position	Isocenter
Orientation	Transversal
Phase enc. dir.	R >> L
Phase oversampling	0 %
Slice oversampling	0.0 %
Slices per slab	32
Multi-slice mode	Interleaved
Series	Ascending
Nr. of sat. regions	1
Position	L0.0 P0.0 F90.0 mm
Position mode	L-P-H
Fat suppr.	Fat sat.
Special sat.	None
Fat sat. mode	Weak
Special sat.	None
Table position	P

## System

Body	Off
HEP	On
HEA	On
Position mode	L-P-H
Positioning mode	FIX
Table position	H
Table position	0 mm
MSMA	S - C - T
Sagittal	R >> L
Coronal	A >> P
Transversal	F >> H
Coil Combine Mode	Sum of Squares
AutoAlign	Head > Brain
Coil Select Mode	Default
Shim mode	Standard
Adjust with body coil	Off
Confirm freq. adjustment	Off
Assume Dominant Fat	Off
Assume Silicone	Off
Adjustment Tolerance	Auto
? Ref. amplitude 1H	0.000 V
! Position	Isocenter
! Rotation	0.00 deg
! R >> L	210 mm
! A >> P	210 mm
! F >> H	154 mm
Frequency 1H	123.251812 MHz
Correction factor	1
asl_HSIInv 0 1H	621.738 V
Gain	Low
Table position	0 mm
Img. Scale. Cor.	1.000

## Physio

Segments	2
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## Inline

Distortion correction	Off
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**Sequence**

Introduction	Off
Dimension	3D
Averaging mode	Long term
Multi-slice mode	Interleaved
Reordering	Centric
Bandwidth	2298 Hz/Px
Echo spacing	0.5 ms
Turbo factor	12
EPI factor	48
RF pulse type	Normal
Gradient mode	Fast
TX/RX delta frequency	0 Hz
TX Nucleus	None
TX delta frequency	0 Hz
Coil elements	HEA;HEP
Acquisition duration	0 ms

**BOLD**

Delay in TR	0 ms
Flow direction	H >> F
Distortion Corr.	Off