

MRI CSF Flow

Updated 05/07/26
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Pulse Sequence	PACS Name	plane	fat sat	slice (mm)	gap (mm)	first slice	Field of View
2D Phase Contrast Cine	2D CINE SAG	sag	no	5	0	left	normal brain
T1	T1 SAG	sag	no	5	2	left	
T2	T2 FS AX	ax	yes	5	1.5	base	
T1	T1 AX	ax	no	5	1.5	base	
FLAIR	FLAIR AX	ax	no	5	1.5	base	
*SWI	SWI AX	ax	no	5	1.5	base	
DWI	DWI AX	ax	yes	5	1.5	base	
**T2	T2 SAG	sag	no	3	0.3	left	normal cervical spine

CONTRAST - 2 mL/sec standard dose gadolinium (0.2 mL/kg Clariscan or 0.1 mL/kg Gadavist) followed by 20 mL saline flush.

T1	T1 POST AX	ax	no	5	1.5	base	normal brain
T1	T1 POST COR	cor	no	5	1.5	back	
T1	T1 POST SAG	sag	no	5	2	left	
3D T1 FSPGR/MPRAGE	AX THINS	ax	no	1	none	base	normal brain lab

*GRE if SWI is not available.

**Run a routine sagittal T2 non fat sat of the cervical spine (don't need a separate order or requisition).

For the 3D T1 brain lab sequence: no angulation, anterior nose to posterior skull (front/back coverage) and top of skull to bottom of mandible (top/bottom coverage).