

MRI Brain (for Multiple Sclerosis)

Updated 11/15/22

Reviewed 05/14/25

Use orbits field-of-view (FOV) and angulations as in the images below.

Go to MRIMaster.com for a guide of proper positioning.

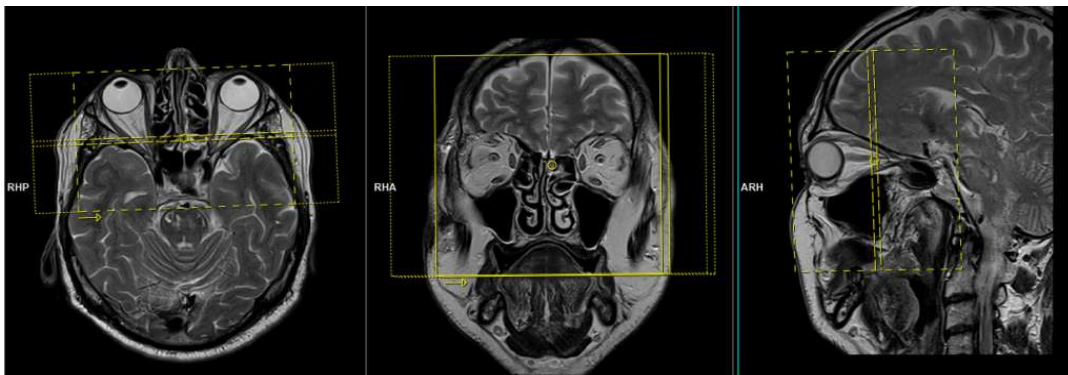
Pulse Sequence	PACS Name	plane	fat sat	slice (mm)	gap (mm)	first slice	Field of View
T1	T1 SAG	sag	no	5	2	left	whole brain
*T2 FLAIR CUBE	FLAIR SAG	sag	yes	1.4	none	base	
T2	T2 FS AX	ax	yes	5	1.5	base	
T1	T1 AX	ax	no	5	1.5	base	
FLAIR	FLAIR AX	ax	no	5	1.5	base	
**SWI	SWI AX	ax	no	5	1.5	base	
DWI	DWI AX	ax	yes	5	1.5	base	

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	whole brain
T1	T1 POST COR	cor	no	5	1.5	back	
T1	T1 FS POST ORBITS	cor	yes	3	0.5	back	orbits

*Sagittal FLAIR 3 mm thick 0.5 mm gap if FLAIR CUBE sequence is not available.

**GRE if SWI is not available.



coronal FOV and angulation (parallel to the optic nerves in the axial plane)