

MS Brain W+WO IV CONTRAST Protocol

Scan notes:

For neonates (<2 years old), please use the 2D T1 sagittal and axial

sequences and axial GRE. (The 3D sequences are more susceptible to motion artifact.)

Revised 08/23/2021

Charge as: Brain W+WO IV CONTRAST

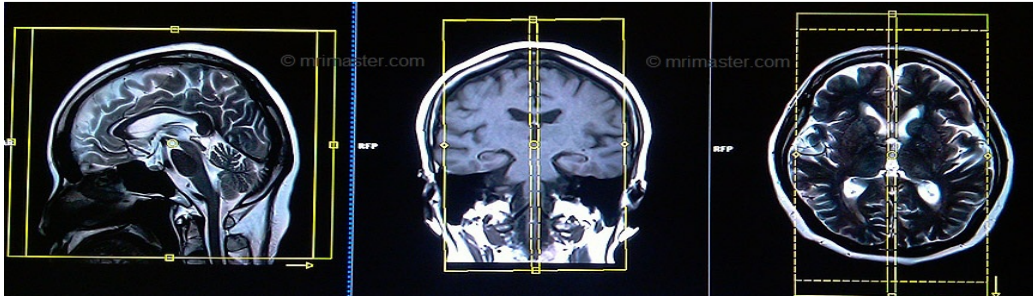
Scanner: 1.5T or 3T

Coil: Head Coil/Flex Coil (flex coil may be needed if anterior head coil cannot clamp)

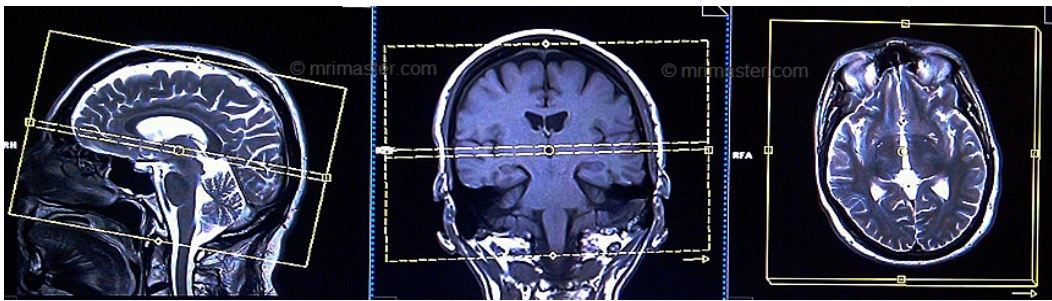
Plane	Weighting	Slice	Gap	FAT SAT	Scan Range
SAG	T1 MPRAGE 3D	1mm	0.5mm	None	Whole brain/parallel to midline of brain. MUST BE REROMATTED TO AXIAL
AXIAL	Diffusion	4mm	0mm	None	Whole brain/parallel to AC/PC line
AXIAL	T2	4mm	0mm	None	Whole brain/parallel to AC/PC line
AXIAL	T2 SWI	2mm	0.4mm	None	Whole brain/parallel to AC/PC line
Inject Contrast					
SAG	T2 Flair	3mm	.3mm	Strong	Whole brain/parallel to midline of brain.
AXIAL	T2 Flair	4mm	0mm	Strong	Whole brain/parallel to AC/PC line
SAG	T1 MPRAGE 3D	1mm	0.5mm	None	Whole brain/parallel to midline of brain. MUST BE REROMATTED TO AXIAL and CORONAL

AXIAL	T1	4mm	0mm	None	Whole brain/parallel to AC/PC line
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SAG Image Planning:



AXIAL Image Planning:



COR Image Planning:

