Epilepsy 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

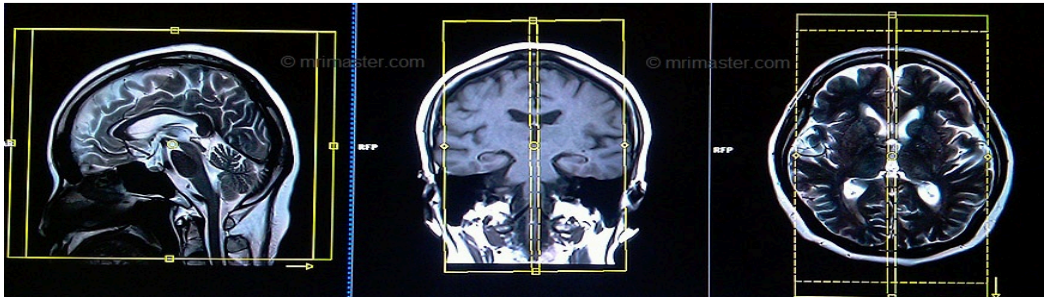
motion artifact.)

- **If non-contrast, please include T2 axial.**

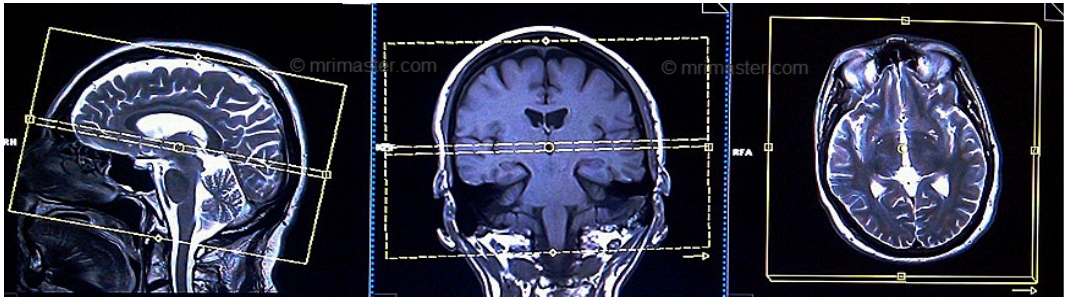
Revised 08/23/2021
Charge as: Brain W+WO IV CONTRAST
Scanner: 1.5T or 3T
Coil: Head Coil/Flex Coil (flex coil may be needed if anterior head coil cannot clamp)

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 Flair	4mm	0mm	Strong	Whole brain/parallel to AC/PC line
AXIAL	T2 SWI	2mm	0.4mm	None	Whole brain/parallel to AC/PC line
COR	T2	3mm	0.6mm		Whole temporal lobes/perpendicular to long axis of hippocampus
COR	FLAIR	3mm	0.6mm		Whole temporal lobes/perpendicular to long axis of hippocampus
COR	IR (inversion recovery)	3mm	0.6mm		Whole temporal lobes/perpendicular to long axis of hippocampus
Inject Contrast					
AXIAL	T2	4mm	0mm	None	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

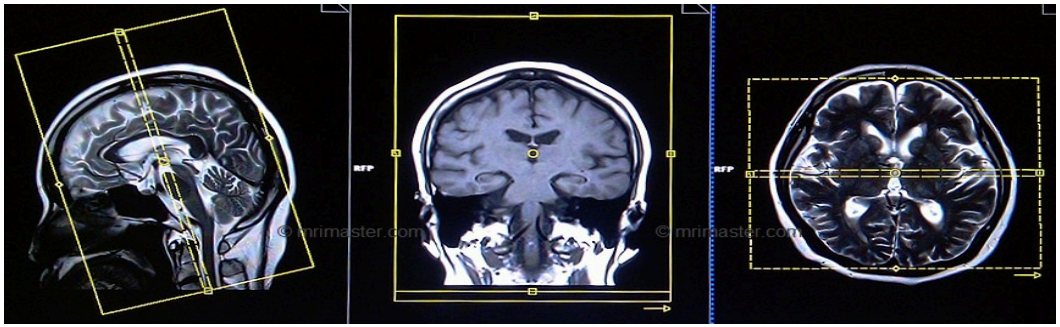
SAG Image Planning:



AXIAL Image Planning:



COR Image Planning:


RFP
RFP

COR Temporal Lobe Image Planning: