IAC 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

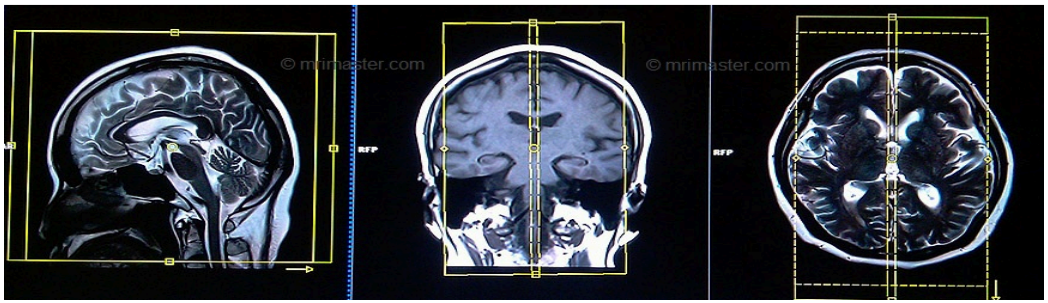
motion artifact.)

- MUST Reformat 3D CISS to SAG OBL perpendicular to LT and RT IAMS (see screenshot examples)

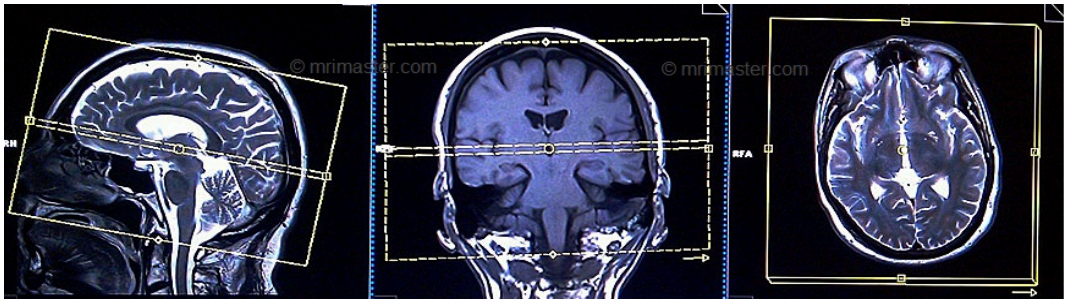
Revised 08/23/2021
Charge as: Inner Auditory Canals/Posterior Fossa W+WO IV CONTRAST
Scanner: 1.5T or 3T
Coil: Head Coil/Flex Coil (flex coil may be needed if anterior head coil cannot clamp)

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	Yes	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
COR	T1	3mm	.3mm	None	IAMS from posterior border of sphenoid sinus up to fourth ventricle/parallel to LT and RT IAMS
AXIAL	T1	3mm	.3mm	None	IAMS from the hippocampus up to C1 vertebral body/ parallel to LT and RT IAMS
AXIAL	T2 CISS 3D	0.6mm	.12mm	None	IAMS from the hippocampus up to C1 vertebral body/ parallel to LT and RT IAMS (MUST Reformat to SAG OBL perpendicular to LT and RT IAMS)
Inject Contrast					
COR	T1	3mm	.3mm	Yes	IAMS from posterior border of sphenoid sinus up to fourth ventricle/parallel to LT and RT IAMS
AXIAL	T1	3mm	.3mm	Yes	IAMS from the hippocampus up to C1 vertebral body/ parallel to LT and RT IAMS
AXIAL	T1	4mm	0mm	None	Whole brain/parallel to AC/PC line

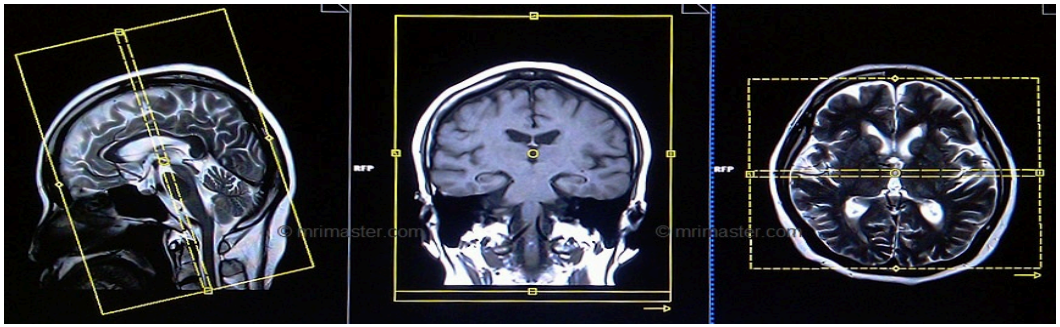
Brain SAG Image Planning:



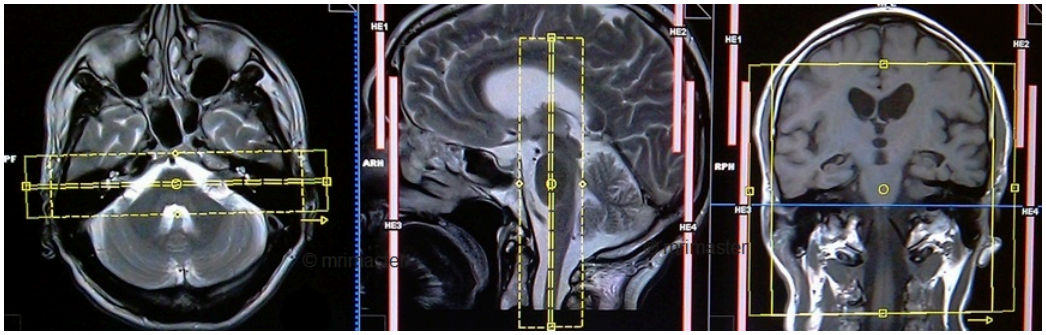
Brain AXIAL Image Planning:



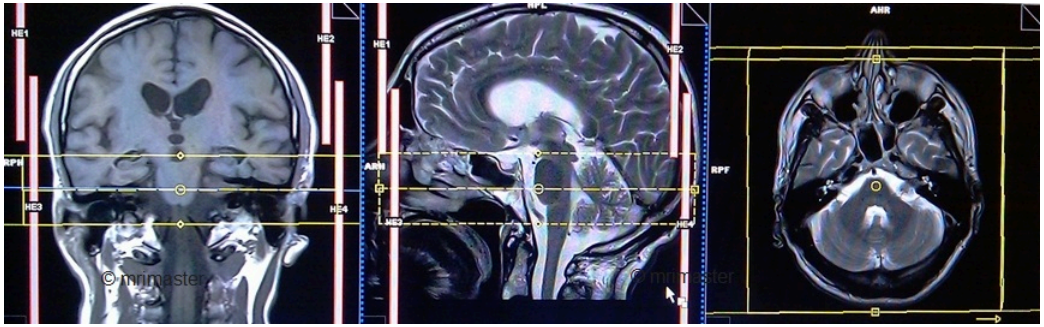
Brain COR Image Planning:


RFP
RFP

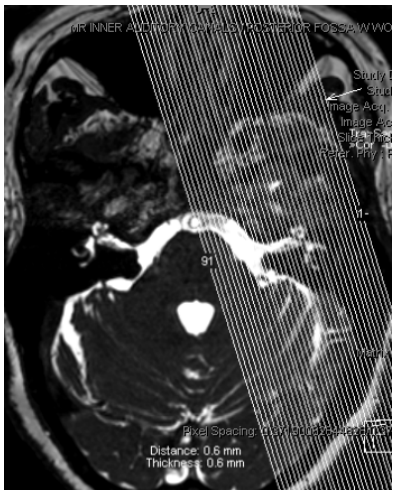
IAM COR Image Planning:



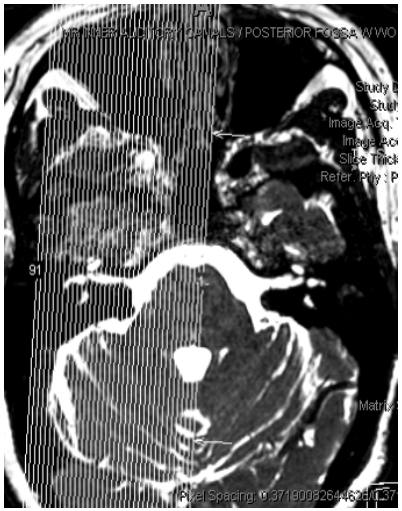
IAM AXIAL Image Planning:



Left IAM 3D CISS Reformat Planning:



Right IAM 3D CISS Reformat Planning:


91