

PROTOCOL: MRI IAC (ROUTINE WWO)

CLINICAL INDICATIONS/ HISTORY: Vertigo, sensorineural hearing loss, asymmetric hearing loss, tinnitus, acoustic neuroma, vestibular schwannoma, cholesteatoma

TIPS:
 -Reformat 3D FIESTA / SPACE into coronal at 1 mm.
 -Add Coronal 3D T1 MPRAGE for encephalocele, meningocele, tegmen dehiscence
 -There is only a single IAC protocol.

SCAN ORDER	PLANE	IMAGE CONTRAST/WEIGHTING	MODE	PULSE SEQ	COVERAGE		TR RANGE	TE RANGE	TI	FLIP ANGLE	THICKNESS/GAP (mm)	FOV (cm)	Max Pixel (mm) Fr x Ph	PHASE AXIS	SEND TO PACS	Max scan time (target)
1	SAG	T1	2D	FSE	COVER ENTIRE BRAIN		<790	MIN	-	>130	5/5	24-25	.9X.9	RL	FULL SERIES	2:30
2 (PREFERRED)	AX	T2	3D	SPACE/CUBE	COVER INTERNAL AUDITORY CANALS		>2500	85-125	-	>130	.6/OVLP	14-16	.5X.5	RL	FULL SERIES+ COR 1X1 MPR	6:00
2A (ALTERNATE)	AX	T2*	3D	CISS/FIESTA	COVER INTERNAL AUDITORY CANALS		VAR	VAR			.6/OVLP	15-17	.5X.5	RL	FULL SERIES+ COR 1X1 MPR	6:00
3	AX	DWI (b1200)	2D	EPI/ RESOLVE	FORAMEN MAGNUM	VERTEX	>4000	MIN	-	90	3/3	24	2.5X2.5	AP	FULL SERIES + ADC MAP	4:30
4	AX	T1	2D	SE/FSE	COVER INTERNAL AUDITORY CANALS WITH AT LEAST 12 SLICES		<790	MIN	-	>130	3/0	13-16	.9X.9	RL	FULL SERIES	4:30
5A (only if IAC WO. skip if IAC WWO)	AX	T2FLAIR FS	2D	FSE	FORAMEN MAGNUM	VERTEX	6000-15000	140-160	VARIES	>130	5/5	24	.9X.9	RL	FULL SERIES	4:00
CONTRAST																
5+C	AX	T2FLAIR FS	2D	FSE	FORAMEN MAGNUM	VERTEX	6000-15000	140-160	VARIES	>130	5/5	24	.9X.9	RL	FULL SERIES	4:00
6+C	AX	T1 FS	2D	SE w/ Flow Comp	COVER INTERNAL AUDITORY CANALS WITH AT LEAST 12 SLICES		<790	MIN	-	>130	3/0	13-16	.9X.9	RL	FULL SERIES	4:30
7+C	COR	T1	2D	SE w/ Flow Comp	COVER INTERNAL AUDITORY CANALS WITH AT LEAST 12 SLICES		<790	MIN FULL	-	90	2/0	14-16	.7X.7	RL	FULL SERIES	5:00