

PROTOCOL: MR FACE-NECK WWO (ONCOLOGY)

CLINICAL HISTORY/ INDICATIONS: Cancer of the head and neck including oral cavity, pharynx, nasal cavity, parotid gland, orbit, paranasal sinuses, muscles, skull base. *this protocol evaluates for oncology or peri-neural tumor spread* Protocol designed for ENT surgeon, radiation oncology, neurosurgery use only. Protocol not intended for general lump / bump / mass / that the primary care physician feels on exam.

tips:
 -Have a low threshold for asking a neuroradiologist for appropriate field of view coverage or to check the study before completion — additional sequences may be required.
 -For post contrast fat suppression, use 3-point DIXON. If not available, do both with and without fat suppression.

SCAN ORDER	PLANE	IMAGE		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)
		CONTRAST/ WEIGHTING	MODE													
1	AX	T1	2D	SE / FSE	SUPERIOR ORBITAL RIDGE	HYOID	<790	MIN	-	>130	3/0	16-18	.7X.7	RL	FULL SERIES	5:00
2	COR	T1	2D	SE / FSE	CEREBELLUM	TIP OF NOSE	<790	MIN	-	>130	3/0	16-18	.7X.7	RL	FULL SERIES	5:00
3	AX	T2 DIXON/ IDEAL	2D	FSE	AREA OF INTEREST		4000-7000	85-105	-	>130	3/.3	20	.9X.9	RL	IN-PHASE AND WATER ONLY	5:00
4	COR	STIR	2D	FSE	AREA OF INTEREST		3000-6000	45-65	150	>130	4/.4	20	1.0X1.0	RL	FULL SERIES	4:30
5	AX	DWI (b800)	2D	EPI/ RESOLVE	SUPERIOR ORBITAL RIDGE	HYOID	>4000	MIN	-	90	4/1	20	2.5X2.5	AP	FULL SERIES + ADC MAP	4:00
CONTRAST																
6+C	COR	T1 FS	2D	SE / FSE	CEREBELLUM	TIP OF NOSE	<790	MIN	-	>130	3/0	16-18	.7X.7	RL	FULL SERIES	6:00
7+C	AX	T1 FS	2D	SE / FSE	SUPERIOR ORBITAL RIDGE	HYOID	<790	MIN	-	>130	3/0	16-18	.7X.7	RL	FULL SERIES	6:00
8+C	AX	T1 DIXON/ IDEAL	2D	FSE	HYOID	THORACIC INLET	<791	MIN		>131	5/.5	20	1.0X1.0	RL	IN-PHASE AND WATER ONLY	5:45
9+C	SAG	STIR	2D	FSE	COVER ENTIRE NECK		3000-6000	45-65	150	>130	5/.5	28	1.0X1.0	RL	FULL SERIES	5:00