



CRANIAL NERVES WWO

Magnet Vendor/Field	Approved By	Published/Rev
Siemens MAGNETOM 3.0T XQ LowRx Numaris/X VA60A-OCN3	Dr Alvarez	8.10.26 / 1
Protocol	Contrast	Estimated Scan Time
CRANIAL NERVES WWO	Yes	~25–45 min room time

TECHNOLOGIST WORKFLOW

#	Step	Seq	Pulse	Dim	Ori	Scan Dir	Phase Enc	FOV (mm)	Slc (mm)	Gap (mm)	TR (ms)	TE (ms)	Fat Sat	Freq	Phase	Notes
1	♥ SETUP	AAHEAD_SCOUT	VIBE	3D	Sag	R>>L	A>>P	260	1.6	0.3	3.15	1.37	Standard	160	160	
2	■ T1 PRE	SAGITTAL T1 GRE	GRE	2D	Sag	R>>L	A>>P	230	4.0	1.2	440	2.46	Standard	256	256	
3	■ T2	AXIAL T2 FLAIR	FLAIR	2D	Ax	I>>S	R>>L	230	4.0	1.2	8000	94	Weak	256	256	TI 2370 ms;
4	■ DIFF	AXIAL DIFF	DIFF	2D	Ax	I>>S	A>>P	230	4.0	1.2	6510	63 / 99	Strong	160	160	$b=0/1000$ s/mm ² ; 3-Scan Trace; Trace Weighted ON; ADC ON;
4A	■ ADC	ADC MAP	ADC	2D	Ax	I>>S	A>>P	230	4.0	1.2	6510	—	N/A	160	160	ADC map generated from AXIAL DIFF
5	■ T2	AXIAL T2	TSE	2D	Ax	I>>S	R>>L	230	4.0	1.2	7290	110	Standard	384	384	
6	■ T1 THIN	AXIAL T1 THIN	TSE	2D	Ax	I>>S	R>>L	180	3.0	0.7	750	7.70	Standard	320	240	
7	■ T1 THIN	CORONAL T1 THIN	VIBE	2D	Cor	A>>P	R>>L	220	3.0	0.9	500	2.50	Standard	320	240	

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8	 3D T2	AXIAL 3D T2	SPCR	3D	Ax	I>>S	R>>L	180	1.0	0	1000	131	Standard	384	380	60 slices/slab
9	 POST	AXIAL T1 THIN POST	TSE	2D	Ax	I>>S	R>>L	180	3.0	0.7	750	7.70	Standard	320	240	POST-CONTRAST
10	 POST	CORONAL T1 THIN POST	VIBE	2D	Cor	A>>P	R>>L	220	3.0	0.9	500	2.50	Standard	320	240	POST-CONTRAST
11	 POST	AXIAL T1 POST (FULL BRAIN)	VIBE	2D	Ax	I>>S	R>>L	230	4.0	1.2	440	2.46	Standard	320	240	POST-CONTRAST

TECHNOLOGIST POST-PROCESSING

- ☐ Confirm complete cranial nerve coverage and adequate image quality before releasing the patient.
- ☐ Review pre-contrast sagittal T1, axial T2 FLAIR, axial diffusion, axial T2, thin axial/coronal T1 and axial 3D T2.
- ☐ Verify diffusion includes b=0 and b=1000 s/mm² with Trace Weighted Images and ADC maps.
- ☐ After contrast, verify thin axial/coronal T1 and full-brain axial T1 post-contrast acquisitions are complete.
- ☐ Review all post-contrast datasets for motion, coverage and diagnostic image quality; send source/reconstructed images to PACS.