CRANIAL NERVES WO

Magnet Vendor/Field	Approved By	Published/Rev
Siemens MAGNETOM 3.0T XQ LowRx Numaris/X VA60A-0CN3	Dr Alvarez	8.10.26. / 1

Protocol	Contrast	Estimated Scan Time
CRANIAL NERVES WO	No	~15–25 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	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	Fat Saturation Weak	256	256	TI 2370
4	🟪 DIFF	AXIAL DIFF	DIFF	2D	Ax	I>>S	A>>P	230	4.0	1.2	6510	63 / 99	Fat Saturation Strong	160	160	b=0/1000 s/mm²; 3-Scan Trace; ADC ON;
4A	🟪 ADC	ADC MAP	ADC													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	TSE	2D	Cor	A>>P	R>>L	220	3.0	0.9	500	2.50	Standard	320	240	

8	🟦 3D T2	AXIAL 3D T2	SPCR	3D	Ax	I>>S	R>>L	180	1.0	0	1000	131	Standard	384	380	1 slab / 60 slices

TECHNOLOGIST POST-PROCESSING

☐ Confirm complete brain/IAC coverage and adequate image quality before releasing the patient.
☐ Review sagittal T1 GRE, axial T2 FLAIR, axial diffusion, axial T2, thin axial/coronal T1 and 3D T2 source images.
☐ Verify diffusion includes b=0 and b=1000 s/mm², Trace Weighted Images and ADC maps.
☐ Review the thin-section T1 and 3D T2 datasets for coverage and motion.
☐ Send all source images and ADC

ACTION ITEMS

🩶 Complete scout/localization and confirm head positioning.

🟩 Acquire sagittal T1 GRE.

🟦 Acquire axial T2 FLAIR and axial T2.

🟪 Acquire axial diffusion and confirm ADC/trace outputs.

🟩 Acquire thin axial and coronal T1.

🟦 Acquire axial 3D T2 and verify complete coverage.

☐ Review all sequences for motion, coverage and diagnostic image quality before patient release.