IAC 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 SUMMARY

Protocol	Contrast	Estimated Scan Time
IAC	No	~15–25 min

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	**HEAD_SCOUT**	VIBE	3D	Sag	R>>L	A>>P	260	1.6	0.3	3.15	1.37	None	160	160	
2	T1	**SAGITTAL T1 GRE**	GRE	2D	Sag	R>>L	A>>P	230	4.0	1.2	440	2.46	None	256	256	
3	T2	**AXIAL T2 FLAIR**	FLAIR	2D	Ax	I>>S	R>>L	230	4.0	1.2	8000	94	FS (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	FS (Strong)	160	160	*b-values 0, 1000; ADC Maps On*
9	ADC	**ADC MAPPING**	Derived													*Create ADC Map and send to PACS*
5	T2	**AXIAL T2**	TSE	2D	Ax	I>>S	R>>L	230	4.0	1.2	7290	110	None	384	384	
6	T1	**AXIAL T1 THIN**	TSE	2D	Ax	I>>S	R>>L	180	3.0	0.5	750	9.40	None	320	224	
7	T1	**CORONAL T1 THIN**	TSE	2D	Cor	A>>P	R>>L	220	3.0	0.5	400	2.58	None	320	240	
8	T2	**AXIAL 3D T2**	SPACE	3D	Ax	I>>S	R>>L	180	0.5	0.0	1000	131	None	384	380	

TECHNOLOGIST POST-PROCESSING

☐ Create ADC Map and send to PACS
☐ Verify Trace Weighted Diffusion Images and ADC Maps are present
☐ Verify all required IAC series are transferred to PACS
☐ Review images for motion/artifact before patient leaves

ACTION ITEMS

Create ADC Map and send to PACS

Confirm diffusion b-values 0 and 1000 s/mm²

Review 3D T2 for complete IAC coverage and image quality