

NEURO PROTOCOLS

<u>PROTOCOL</u>	<u>SEQUENCE</u>	<u>FOV</u>	<u>SLICE/GAP</u>	<u>NEX</u>	<u>NOTES</u>
BRAIN	Sag T1	22-24	5/1	2	Can do SE or T1 Flair
	Ax DWI	26	5/0	1	
	Ax FLAIR (T2)	22-24	5/1	1	320 X 224 recommended
	Ax T2	22-24	5/1	2	
	Ax GRE	22-24	5/1	2	
	Ax T1	22-24	5/1	2	
	Cor T2	22-24	5/1	2	
Add for MS	Sag FLAIR (T2)	22-24	4/0.5	1	320 X 224 recommended
POST GAD	Post Ax T1 SE	22-24	5/1	2	
	Post Cor T1 SE	22-24	5/1	1	
For Mets	Ax 3D FSPGR	24	≤4 (Zip 2)	1	Run on known Mets or R/O Mets
For Seizures add	Cor FLAIR (T2)	22-24	5/1	1	320 X 224 recommended, copy Cor T2
For Seizures add	Cor 3D FSPGR	24	≤4 (Zip 2)	1	Cover entire brain

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BRAIN & ORBITS	Sag T1	22-24	5/1	2	Can do SE or T1 Flair
	Ax DWI	26	5/0	1	
	Ax FLAIR (T2)	22-24	5/1	1	320 X 224 recommended
Orbits	Ax T2	22-24	5/1	2	
Orbits	Cor T2 F/S	16-18	4/0	2	
Orbits	Ax T2 F/S	16-18	2.5/0.5	2	
Orbits	Ax T1 PRE	16-18	2.5/0.5	2	
Orbits	Ax T1 F/S POST	16-18	2.5/0.5	2	
Orbits	Cor T1 F/S	16-18	4/0	2	
	Post Ax T1 SE	22-24	5/1	2	

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BRAIN & IAC'S	Sag T1	22-24	5/1	2	Can do SE or T1 Flair
	Ax DWI	26	5/0	1	
	Ax FLAIR (T2)	22-24	5/1	1	320 X 224 recommended
	Ax T2	22-24	5/1	2	
	Ax GRE	22-24	5/1	2	
	Ax T1	22-24	5/1	2	
	Cor T2	22-24	5/1	2	
IAC	Ax 3D FIESTA	18	1.2mm	4	Zip 2
IAC	Ax T1 SE Pre	18	3/0.5	2	Spin Echo
IAC	Ax T1 F/S SE POST	18	3/0.5	2	Spin Echo
IAC	Cor T1 F/S SE POST	18	3/0.5	2	Spin Echo
	Post Ax T1 SE	22-24	5/1	2	
	Post Cor T1 SE	22-24	5/1	1	
Non contrast IAC add	Cor 3D FIESTA	18	1.2mm	4	Zip 2, cover IAC's

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BRAIN & PITUITARY	Sag T1	22-24	5/1	2	Can do SE or T1 Flair
	Ax DWI	26	5/0	1	
	Ax FLAIR (T2)	22-24	5/1	1	320 X 224 recommended
	Ax T2	22-24	5/1	2	
	Ax GRE	22-24	5/1	2	
	Ax T1	22-24	5/1	2	
	Cor T2	22-24	5/1	2	
Pituitary	Sag T1 FSE Pre	16	2/0.5	4	
Pituitary	Cor T1 FSE Pre	16	2/0.5	4	
Pituitary	Cor T1 FSE Post	16	2/0.5	4	
Pituitary	Sag T1 FSE Post	16	2/0.5	4	
	Post Ax T1 SE	22-24	5/1	2	
	Post Cor T1 SE	22-24	5/1	1	

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SOFT TISSUE NECK	Sag T1	24-28	5/0	2	
	Cor T2	24-28	4/1	2	
	Cor STIR	24-26	4/1	2	
	Ax T1	20-22	5/1	2	
	Ax T2	20-22	5/1	2	
	Cor T1 Post	24-28	4/1	2	
POST GAD	Ax T1 Post	20-22	5/1	2	
	Ax T1 F/S Post	20-22	5/1	2	
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TMJ's	Ax T1 Localizer	22	4/.5	1	Run in addition to 3Plane Loc
Bilat	Cor T1	10	2.5/0	2	
Bilat	Sag PD	10	3/0	2	
Bilat	Sag T2	10	3/0	2	
Bilat	Sag T1	10	3/0	2	
Bilat	Sag T1 OPEN	10	3/0	2	Use TMJ device to open ≈30mm

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C-SPINE	Sag T2	22	3/0.5	4	Hi Rez
	Sag T1	22	3/0.5	3 or 4	
	Sag STIR	22	3/0.5	2	
	Ax T2	20	3/1	2	
	Ax GRE	20	3/1	2	Use 2D MERGE if available
	Ax T1 Pre	20	3/1	2	Only for contrast exams
POST GAD	Sag T1 Fat Sat	22	3/0.5	2 or 3	
	Ax T1 Post	20	3/1	2	
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T-SPINE	Lg FOV Sag Counter	46	5/1	2	
	Sag T2	34	3/0.5	4	
	Sag T1	34	3/0.5	3	
	Sag STIR	34	3/0.5	2	
	Ax T2	20	5/1.5	2	
Contrast Only	Ax T1 Pre	20	5/1.5	2	
	Ax T1 Post	20	5/1.5	2	
	Sag T1 F/S Post	34	3/0.5	2	

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L-SPINE	Cor T2 (SSFSE)	30	5/2	1	Quick survey scan approx 30-40 seconds
	Sag T2	26	4/1	4	
	Sag T1	26	4/1	3	
	Sag STIR	26	4/1	2	
	Ax T1 Stack	20	5/1	2	One axial stack for entire L spine
	Ax T2	20	4/1	2	
Contrast Only	Sag T1 Fat Sat	26	4/1	2	
	Ax T1 Post	20	5/1	2	