

HIGH PLAINS RADIOLOGICAL ASSOCIATION

PEDS NEURO MRI PROTOCOL

Rev. 07.01.2020

PEDS SPINE								
CERVICAL	THORACIC	LUMBAR	SPINE SCREEN	TETHERED CORD	SCOLIOSIS	WHOLE SPINE (<2 Y/O)	WHOLE SPINE (2-6 Y/O)	WHOLE SPINE (>6 Y/O)
				Lumbar spine only unless otherwise specified.			2 parts	3 parts
T1 SAG T2 SAG STIR SAG (Opt - if concern for fx) T2 FSE AXIAL POST CONTRAST (opt) T1 pre Axial T1 C+ AXIAL T1 C+ SAG	T1 SAG T2 SAG STIR SAG (Opt - if concern for fx) T2* GRE AXIAL whole T spine POST CONTRAST (opt) T1 pre Axial T1 C+ AXIAL T1 C+ SAG	T1 SAG T2 SAG STIR SAG (Opt - if concern for fx) T2 AXIAL - stacked T1 AXIAL - stacked (Opt) T2 AXIAL - through discs (T12/L1-L5/S1) POST CONTRAST (opt) T1 C+ AXIAL T1 C+ SAG FS	T1 SAG (Whole Spine) T2 SAG (Whole Spine)	T1 SAG T2 SAG (Whole spine if <2 y/o) Balanced FFE SAG - 1mm overlapping T2 AXIAL - stacked T1 AXIAL - stacked (T8 through coccyx)	T1 SAG (Whole spine) T2 SAG (Whole Spine) STIR COR (Whole spine) T2 AX (Cord) T1 AX (Conus - coccyx)	T1 SAG (Skull base - coccyx) T2 SAG (Skull base - coccyx) T1 AX (Skull base - T7) T1 AX (T6 - coccyx) T2 AX FSE (Skull base - T7) T2 AX (T6 - coccyx)	T1 SAG (Skull base - T8) T1 SAG (T7 - sacrum) T2 SAG (Skull base - T8) STIR SAG (T7 - sacrum) T2 FSE AXIAL - CERVICAL T2* GRE AXIAL - Thoracic T2 AX - Lumbar (Optional - if for tethered cord) T1 AXIAL - stacked (T8 through coccyx)	<u>CERVICAL</u> T1 SAG T2 SAG T2 FSE AX <u>THORACIC</u> T1 SAG T2 SAG T2* GRE AXIAL whole T spine <u>LUMBAR</u> T1 SAG STIR SAG T2 AX (Optional - if for tethered cord) T1 AXIAL - stacked (T8 through coccyx)
VOXEL SIZE								
<2 y/o - 0.5 to 0.6 mm 2-6 y/o - 0.6 to 0.8 mm >6 y/o - 0.8 mm								