

PROTOCOL: MRI CERVICAL SPINE WO-ROUTINE

CLINICAL INDICATIONS/ HISTORY NECK PAIN, RADICULOPATHY, POST TRAUMA, CERVICAL DISC DISEASE

SCAN ORDER	PLANE	IMAGE CONTRAST/WEIGHTING	MODE	PULSE SEQ	COVERAGE		TR RANGE	TE RANGE	TI	FLIP ANGLE	THICKNESS/ GAP (mm)	FOV (cm)	Max Pixel (mm) Fr x Ph	PHASE AXIS	SEND TO PACS	Max scan time (target)
1	SAG	T1	2D	FSE	COVER BONY CERVICAL SPINE		<790	MIN	-	>130	3/1	18-20	.9X.9	SI	FULL SERIES	3:00
2	SAG	T2	2D	FSE	COVER BONY CERVICAL SPINE		4000-7000	90-110	-	>130	3/1	18-20	.9X.9	SI	FULL SERIES	3:00
3	SAG	STIR	2D	FSE	COVER BONY CERVICAL SPINE		3000-6000	50-70	150	>130	3/1	18-20	1.0X1.0	SI	FULL SERIES	4:00
4	AX	T2*	2D	MEDIC/ MERGE	BOTTOM C2	TOP T1	SINGLE ACQ	20-24	-	20-25	3/1	14-16	1.0X1.0	PA	FULL SERIES	5:45
5	AX	T2	2D	FSE	FORAMEN MAGNUM	TOP T1	4000-7000	90-110	-	>130	3/1	24	1.0X1.0	PA	FULL SERIES	4:00
* (IF SCOLIOSIS)	COR	T2	2D	FSE	COVER BONY CERVICAL SPINE		4000-7000	90-110	-	>130	4/0	20-22	.8X.8	RL	FULL SERIES	3:00
* (IF TRAUMA)	SAG	T2*	2D	MEDIC/ MERGE	COVER BONY CERVICAL SPINE		SINGLE ACQ	20-24		20-25	3/1	20-22	1.0X1.0	SI	FULL SERIES	4:30
* (IF METS, FX, HEMORRHAGE, CORD INFARCT)	SAG	DWI (b600)	2D	RESOLVE/ FOCUS (EPI IF N/A)	COVER CORD COMPLETELY		>4000	MIN		90	3-4/0	20-26	2.5X2.5	AP	FULL SERIES + ADC MAP	5:00