

PROTOCOL: MRI CERVICAL SPINE WO-CHIARI

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

TIPS: For Chiari malformation cine flow studies:
 Use 10 venc (with wrap) AND 5 venc (without wrap);
 Use 32 phases in CINE; flow comp, sequential.
 Some facilities bill the cine flow sequence separately from an MR of the cervical spine. It's a separate CPT code. At these facilities, do not scan the cine flow sequence unless specifically requested by the ordering clinician. The cine flow is often ordered on pre-op studies, but often skipped on post-op studies. We don't want surprise bills going to the patient if the cine flow study hasn't been pre-approved by their insurance companies. If your facility does not plan to bill separately for the cine flow sequence, please run one.

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
*6A/B	SAG	CSF FLOW	2D	CINE PHASE CONTRAST *GATED*	SINGLE SLICE THRU CORD-CENTERED AT FORAMEN MAGNUM		MIN	MIN	*VENC 5+10	20-30	4/0	20-24	1.2x1.2	PA	FULL SERIES	5:00
* (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