

 University Health™	Policy #: Rad Proc 14. 14. 26
SUBJECT: ROUTINE C-SPINE	Effective: 10/1/2013 Reviewed: 2/2015: 2/2017
APPROVED BY: Eduardo Gonzalez-Toledo, MD PhD	Page 1 of 2

Purpose: To provide MRI staff with approved protocol for performing an Routine C-Spine MR.
ORIENTATION: HEAD FIRST/SUPINE **COIL:** HNS CTL12/HNS CTL123/USC123

EXAM: ROUTINE C-SPINE

PLANE	3 PLN LOC	SAG PD/T2	SAG T1	SAG STIR	AX T2	AX T1	AX T1 C+	SAG T1 C+
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SEQ	GRE	FRFSE XL	FSE XL	FSE IR	FRFSE XL	FSE XL	FSE XL	FSE XL
MODE	2D	2D	2D	2D	2D	2D	2D	2D
IMAGING OPTIONS	SEQ/F AST	FC/NPW/TRF/ FAST/FR	FC/NPW/T RF/ FAST	FC/NPW/SEQ/ EDR/FAST/Z5 12	FC/NPW/TR F/ FAST/FR	NPW/TR F/FAST	NPW/TR F/FAST	FC/NPW/TR F/ FAST
TE		MIN FULL/90 ms+	MIN FULL	50 ms	90 ms+	MIN FULL	MIN FULL	MIN FULL
Eff. TE		117.9 ms+/-						
TR		2850 ms+	400-600 ms	3000 ms	3800 ms+	400-600 ms	400-600 ms	400-600 ms
TI				150 ms				
FLIP ANGLE								
ETL		22	2	9	32	2	2	2
BW		31.25	20.83	20.83	41.67	31.25	31.25	20.83
FOV	24	28	22	22	22	22	22	22
SLICE THICKNE SS	10	3	3	3	3	3	3	3
SLICE SPACING	5	1	1	1	1	1	1	1
Frequency	256	320	320	320	320	320	320	320
Phase	128	224	224	224	224	224	224	224
NEX	1	4	3	2	2	2	2	3
PHASE FOV	1							
FREQ DIR	UNSWAP	UNSWAP	UNSWAP	UNSWAP	UNSWAP	UNSWAP	UNSWAP	UNSWAP
FLOW COMP DIR		FREQ	FREQ	FREQ	SLICE	FREQ	FREQ	FREQ
SHIM	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO
PHASE CORREC T	OFF	ON	ON	OFF	OFF	ON	ON	ON

Note: Additional sequences may be requested at the discretion of the Radiologist monitoring the exam.