

		Policy #: Rad Proc 14. 14. 29
SUBJECT: ROUTINE T-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 a Routine T-SPINE MR.

ORIENTATION: HEAD FIRST/SUPINE

COIL: HNS CTL234/USC234

EXAM: ROUTINE T-SPINE

PLANE	3 PLN LOC	COUNTI NG SCAN	SAG PD/T2	SAG T1	SAG STIR	AX T2	AX T1 C+	SAG T1 C+
SEQ	GRE	FSPGR	FRFSE XL	FSE XL	FSE IR	FRFSE XL	FSE XL	FSE XL
MODE	2D	2D	2D	2D	2D	2D	2D	2D
IMAGING OPTIONS	SEQ/ FAS T	FC/NPW/ EDR/FAS T	FC/NPW/TR F/FAST/FR	FC/NPW/TRF/ FAST	FC/NPW/SEQ/ EDR/FAST/Z5 12	FC/NPW /FAST/F R	NPW/T RF/FAS T	FC/NPW/TRF/ FAST
TE		MIN	MIN FULL/90 ms+	MIN FULL	50 ms	90 ms+	MIN FULL	MIN FULL
EFF. TE			117.9 ms+/-					
TR		100 ms	2850 ms+	400-600 ms	3000 ms	3800 ms+	400-600 ms	400-600 ms
TI					150 ms			
FLIP ANGLE		20						
ETL			22	3	9	19	3	3
BW		31.25	31.25	41.67	20.83	50.00	31.25	41.67
FOV	24	48	36	36	36	22	22	36
SLICE THICKNESS	10	3	4	4	4	4	4	4
SLICE SPACING	5	1	1.5	1.5	1.5	1	1	1.5
Frequency	256	256	320	320	320	320	320	320
Phase	128	192	224	224	224	224	224	224
NEX	1	2	4	2	2	4	2	2
PHASE FOV	1							
FREQ DIR	UNSWAP	UNSWAP	UNSWAP	UNSWAP	UNSWAP	UNSWAP	UNSWAP	UNSWAP
FLOW COMP DIR			FREQ	FREQ	FREQ	SLICE	FREQ	FREQ
SHIM	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO
PHASE CORRECT	OFF	OFF	ON	ON	OFF	OFF	ON	ON

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

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Use Multihance if sedated for this exam, Use 0.2 mL/kg body weight for age 2 and older per Dr. Gonzalez Toledo ; under age 2 consult