

Anatomy: **Rheumatology**
 Sub-Anatomy: **Cervical Spine with and without contrast**

- Exams

- Routine

Coil: **XL torso array and spine coils**

SEQUENCE – BASICS				VARIABLE PARAMETERS														
PLANE	SEQ	Slice / Gap (mm)	Misc / Comment	MTX	FOV (cm)	% RFOV	Scan %	Pixel size (mm)	TR	TE	FA/TI	Nex Avg Acq	NS	ETL Turbo Factor	Phase Encode	Scan TIME (min)	Pixel Shift BW-kHz	
ROUTINE																		
COR	STIR SPACE or Shinkei (preferred)	1.5 isotropic	Put shim box on center small area of neck- NOT on air		20-22													
SAG	T1	3.5/0.3			18													
SAG	T2	3.5/0.3			18													
SAG	STIR	3.5/0.3			18													
AX	T2 FFE	3.5/0.3	stacked		18													
AX	DWI	4/0			18													
COR	Pre and Post VIBE or mDixon (preferred)	1.5 isotropic			20-22													
↓ OPTIONAL ↓																		
Cor STIR	If Shinkie fails	3.5/0.3																

ORDERABLE: MR C-SPINE W AND WO CONTRAST.

TIPS: Shinkie and mDixon- Don't use head coil- just pull up torso XL to chin- do from base of skull to T3 level and from shoulder point to shoulder point – incl both sides. On sagittal T1,T2, STIR and axial T2- focus on c spine. Reconstruct post mDixon in all 3 planes. Do all 3Ds as isotropic scans. Send coronal subtractions of pre from post contrast scans. NO gap in DWI images.



Cor Shinkie

Sag T2

Sag T1

Sag STIR



Ax T2

Cor T1 mDixon- pre and post contrast with subtraction

Ax DWI