

**Table S1.** Distribution of individual experts with the years of experience into imaging and clinician expert cohort. The imaging expert cohort comprises of ten radiologist and two rheumatologists with image interpretation experience who ranked the JAMRIS-SIJ image+grade and grade-only vignettes. The clinician expert cohort comprise of one radiologist and 4 rheumatologist who completed only the JAMRIS-SIJ grade-only vignettes.

Expert ID	Expert Specialty		Expert Years of Experience					Imaging Expert Cohort (Image+JAMRIS-SIJ Vignettes) N=12	Clinician Expert Cohort (JAMRIS-SIJ Vignettes) N=5
	Radiology N=11	Rheumatology N=6	1-4	5-10	11-15	16-20	21-30		
65600	x		x					x	
65807	x		x				x		
59787	x			x			x		
62564	x			x			x		
60522		x		x				x	
60694		x		x				x	
63454		x		x				x	
59786	x				x		x		
64357	x				x		x		
63385	x					x	x		
64364		x				x		x	
64541		x				x	x		
64805		x				x	x		
63574	x						x	x	
63575	x						x	x	
68684	x						x	x	
64693	x						x	x	