

ONLINE SUPPLEMENTARY DATA

Scoring form | MRI of the knee in JIA

Patient ID: _____ Initials reader: _____ Date: _____

Location	Synovial thickening ^a <i>JAMRIS</i>			Synovial thickening ^a <i>ISPG</i>				Synovial enhancement <i>Damasio et al.</i>		
	0 <2mm	1 2 - 4mm	2 >4mm	0 ≤1mm	1 >1 - ≤3mm	2 >3 - ≤5mm	3 >5mm	0 None	1 Mild	2 Moderate
Suprapatellar										
Retropatellar										
Infrapatellar										
Cruciate ligaments										
Medial post. condyle										
Lateral post. condyle										

^a Maximal thickness of the contrast-enhanced synovial membrane (single layer is measured), scored per region

Location	Joint effusion ^a <i>ISPG</i>				Additional MRI features	
	0 ≤3mm	1 >3 - ≤5mm	2 >5 - ≤10mm	3 >10mm	0 Absent	1 Present
Suprapatellar recess						
Retropatellar						
Baker cyst						
Lateral recess						
Posterior recess						

Feature	0 Absent	1 Present
Infrapatellar fat pad heterogeneity		
Tendinopathy		
Enthesopathy		

^a Maximal diameter, score of largest pocket counts

Location	Bone marrow changes ^a JAMRIS				Cartilage lesions ^a JAMRIS				Bone erosions ^a JAMRIS			
	0	1	2	3	0	1	2	3	0	1	2	3
	None	0-10%	10-25%	≥25%	None	0-10%	10-25%	≥25%	None	0-10%	10-25%	≥25%
Med. patella												
Lat. patella												
Med. femur condyle												
Lat. femur condyle												
Med. weight-bearing femur												
Lat. weight-bearing femur												
Med. tibial plateau												
Lat. tibial plateau												

^a Percentage of involved bone / cartilage volume, scored per region

Cartilage lesions ^a IPSG					Bone erosions ^a IPSG			Subchondral cysts ^a IPSG		
0	1	2	3	4	0	1	2	0	1	2
None	Any loss	>50% volume loss	Full thickness loss	Full thickness loss >50% of surface	None	Any surface erosion	>50% of surface	None	At least one cyst	In >1 bone or >33% of surface

^a Maximal score anywhere in the knee