

ONLINE SUPPLEMENTARY MATERIAL

Supplementary File 1.

Detailed MRI protocol

MR imaging was performed on a MSK-extreme 1.5 Tesla (T) extremity MR imaging system (GE, Wisconsin, USA) using a 145mm coil for the foot and a 100mm coil for the hand. The patient was positioned in a chair beside the scanner, with the hand or foot fixed in the coil with cushions.

In the hand (metacarpophalangeal (MCP) 2-5 and wrist) the following sequence was acquired before contrast administration: T1-weighted fast spin-echo (FSE) sequence in the coronal plane (repetition time (TR) 575 ms, echo time (TE) 11.2 ms, acquisition matrix 388×288, echo train length (ETL) 2).

After intravenous injection of gadolinium contrast (gadoteric acid, Guerbet, Paris, France, standard dose of 0.1 mmol/kg) the following sequences were obtained: T1-weighted FSE sequence with frequency selective fat saturation (fatsat) in the coronal plane (TR/TE 700/9.7ms, acquisition matrix 364×224, ETL 2), T1-weighted FSE sequence with frequency selective fat saturation in the axial plane (wrist: TR/TE 540/7.7 ms; acquisition matrix 320x192; ETL 2 and MCP-joints: TR/TE 570/7.7 ms; acquisition matrix 320x192; ETL 2).

After imaging the hand, the following sequences were obtained of the forefoot (MTP1-5 joints) (thus after intravenous injection of gadolinium contrast): T1-weighted FSE fatsat sequence in the axial plane (TR/TE 700/9.5ms; acquisition matrix 364x224, ETL 2) and: T1-weighted FSE fatsat sequence in the coronal plane (perpendicular to the axis of the metatarsals) (TR/TE 540/7.5ms; acquisition matrix 320x192, ETL 2).

Field-of-view was 100mm for the hand and 140mm for the foot. Coronal sequences of the hand had 18 slices with a slice thickness of 2mm and a slice gap of 0.2mm. Coronal sequences of the foot had 20 slices with a slice thickness of 3mm and a slice gap of 0.3mm. All axial sequences had a slice thickness of 3mm and a slice gap of 0.3mm with 20 slices for the wrist, 16 for the metacarpophalangeal-joints and 14 for the foot.

According to the RAMRIS-method, T2-weighted fat suppressed or short tau inversion recovery (STIR) sequences should be used to assess bone marrow edema (BME). Previously, studies have demonstrated that a contrast enhanced T1-weighted fat suppressed sequence has a strong correlation with T2-weighted fat suppressed sequences.(1-3) The European Society of Musculoskeletal Radiology (ESSR) Arthritis Subcommittee also recommends the use of contrast enhanced T1-weighted fat suppressed sequences for depiction of BME.(4) We used the contrast enhanced T1-weighted fat suppressed sequence as it allowed a shorter scan time and has a higher signal to noise ratio.

MRI scoring

The MTP-, MCP- and wrist- bones and joints were scored in line with the validated RA MRI scoring system (RAMRIS).(5) For tenosynovitis, the score as described by Havaardsholm was applied to the wrist and in addition to the extensor and flexor tendons of the MTPs and MCPs.(6) Erosions were scored on a 0-10 scale based on the percentage of eroded bone (0; no eroded bone, 1; >0-10%, 2; 11-20% etc.). Bone marrow edema (BME) was scored on a 0-3 scale based on the affected volume of the bone (no BME, >0-33%, >33-66%, >66%), synovitis (range 0-3) was scored based on the volume of enhancing tissue in the synovial compartment (none, mild, moderate, severe) and tenosynovitis (range 0-3) was based on the thickness of peritendinous effusion or synovial proliferation with contrast enhancement (normal, <2mm, 2-5mm, >5mm). The scores of proximal and distal erosions and BME and of flexor and extensor tenosynovitis were summed per MTP- and MCP-joint. Scores per MTP- and MCP-joint ranged from 0-6 for BME, 0-3 for synovitis, 0-6 for tenosynovitis and 0-20 for erosions. For the foot the scores of MTP1-5 were summed into the erosion, BME, synovitis and tenosynovitis score. In the hand MCP 2-5 were summed, and for the wrist all wrist bones and tendons were summed.

Missing scores: Infrequently erosions, BME, synovitis or tenosynovitis could not be reliably assessed. This was mostly due to inhomogeneous fat suppression or movement artifacts. In total, 373 (1.1%)

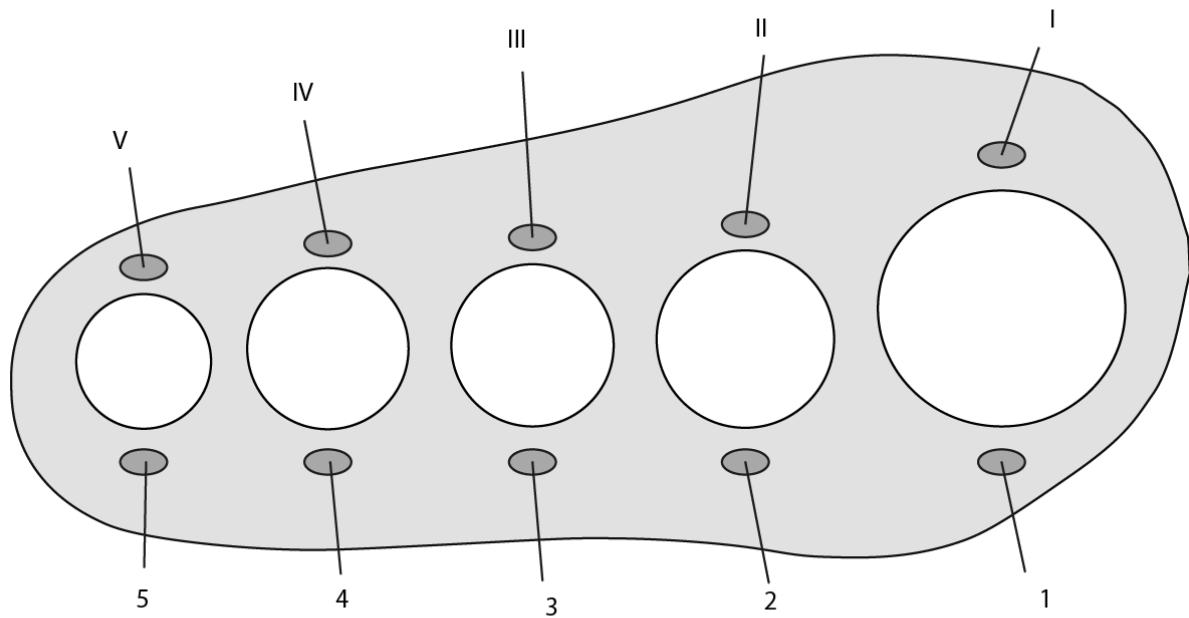
individual erosion scores, 348 (1.0%) BME scores, 131 (0.9%) synovitis scores and 256 (0.9%) tenosynovitis scores were missing. This was considered to be completely at random, missing data was set at 0 for the analyses.

REFERENCES

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Supplementary Figure 1. Score sheet for the metatarsophalangeal joints

MTP JOINTS		5. finger	4. finger	3. finger	2. finger	1. finger
Bone erosions (score 0-10)	Distal	<input type="checkbox"/>				
	Proximal	<input type="checkbox"/>				
Bone marrow edema (score 0-3)	Distal	<input type="checkbox"/>				
	Proximal	<input type="checkbox"/>				
Synovitis (score 0-3)		<input type="checkbox"/>				
Teno-synovitis (score 0-3)	Flexor	<input type="checkbox"/>				
	Extensor	<input type="checkbox"/>				



Abbreviations: MTP: metatarsophalangeal; 1: flexor hallucis longus; 2-5: second to fifth common flexor digitorum longus and flexor digitorum brevis; I: extensor hallucis longus; II-V: extensor digitorum longus.

Supplementary Table 1. Baseline characteristics of all early arthritis patients and patients with clinically suspect arthralgia assessed for status scores and early arthritis patients assessed for change scores.

	Patients for status scores		Patients for change scores
	Early arthritis N=441	Arthralgia N=82	Early arthritis N=30
Age, mean (SD)	55 (16)	46 (13)	57 (17)
Female, n(%)	267 (61)	69 (84)	21 (70)
Symptom duration, in weeks, median (IQR)	9 (4-27)	17 (9-34)	15 (7-44)
Swollen joint count, median (IQR)	3 (1-7)	0	6 (4-8)
HAQ, median (IQR)	0.8 (0.4-1.3)	0 (0-1)	0.9 (0.5-1.4)
CRP, mg/L, median (IQR)	7 (3-20)	3 (3-4)	9 (3-30)
ACPA positive, n (%)	156 (37)	8 (10)	13 (43)
RF positive, n (%)	157 (36)	14 (19)	15 (50)

N: number; SD: standard deviation; IQR: interquartile range; HAQ: Health Assessment Questionnaire; CRP: C-reactive protein; ACPA: Anti-citrullinated protein antibody; RF: rheumatoid factor.

Supplementary Table 2. Status scores of individual readers according to the RAMRIS

Patient population		Early arthritis (n=215)		Early arthritis (n=226)		Arthralgia (n=82)	
		Reader 1	Reader 2	Reader 3	Reader 4	Reader 5	Reader 6
MTP-joints							
BME	Median (IQR; max)	1 (0-2; 21)	1 (0-2; 19)	0 (0-1; 20)	1 (0-2; 16)	0 (0-0; 9)	0 (0-1; 4)
	Mean (SD)	1.6 (2.8)	1.5 (2.6)	1.1 (2.2)	1.2 (1.8)	0.4 (1.1)	0.4 (0.8)
Synovitis	Median (IQR; max)	1 (0-2; 8)	1 (0-2; 11)	0 (0-1; 11)	1 (0-2; 10)	0 (0-1; 7)	0 (0-0; 5)
	Mean (SD)	1.1 (1.6)	1.5 (2.0)	1.0 (1.7)	1.3 (1.8)	0.4 (1.0)	0.3 (0.8)
Tenosynovitis	Median (IQR; max)	0 (0-2; 10)	0 (0-1; 9)	0 (0-2; 16)	0 (0-1; 9)	0 (0-0; 8)	0 (0-0; 7)
	Mean (SD)	1.4 (2.2)	0.9 (1.7)	1.4 (2.6)	0.7 (1.4)	0.2 (0.9)	0.2 (0.9)
Erosions	Median (IQR; max)	0 (0-1; 9)	0 (0-1; 9)	0 (0-1; 5)	0 (0-1; 9)	0 (0-0; 2)	0 (0-0; 2)
	Mean (SD)	0.6 (1.0)	0.8 (1.2)	0.6 (0.9)	0.5 (1.0)	0.2 (0.5)	0.3 (0.5)
MCP-joints							
BME	Median (IQR; max)	0 (0-1; 12)	0 (0-0.5; 7)	0 (0-1; 16)	0 (0-2; 12)	0 (0-0; 3)	0 (0-0; 2)
	Mean (SD)	0.7 (1.8)	0.5 (1.1)	0.8 (1.9)	1.3 (2.1)	0.2 (0.5)	0.1 (0.4)
Synovitis	Median (IQR; max)	0 (0-1; 6)	0 (0-2; 8)	0 (0-1; 11)	0 (0-1; 8)	0 (0-0; 6)	0 (0-0; 4)
	Mean (SD)	0.8 (1.3)	1.0 (1.7)	0.7 (1.5)	0.9 (1.5)	0.2 (0.7)	0.1 (0.6)
Tenosynovitis	Median (IQR; max)	1 (0-3; 9)	1 (0-2; 8)	1 (0-4; 16)	1 (0-3; 10)	0 (0-1; 7)	0 (0-1; 4)
	Mean (SD)	1.7 (2.0)	1.4 (1.9)	2.3 (2.9)	1.8 (2.1)	0.8 (1.6)	0.5 (0.9)
Erosions	Median (IQR; max)	0 (0-1; 5)	0 (0-1; 6)	0 (0-1; 6)	0 (0-1; 4)	0 (0-1; 4)	0 (0-1; 4)
	Mean (SD)	0.7 (1.0)	0.6 (1.0)	0.7 (0.9)	0.6 (0.9)	0.5 (0.9)	0.5 (0.9)
Wrist							
BME	Median (IQR; max)	1 (0-2; 23)	1 (0-3; 25)	1 (0-3; 28)	3 (1-6; 28)	0 (0-1; 11)	0.5 (0-2; 11)
	Mean (SD)	2.1 (3.6)	2.3 (3.5)	2.8 (4.6)	4.4 (5.2)	1.0 (1.9)	1.1 (1.8)
Synovitis	Median (IQR; max)	1 (0-3; 8)	1 (0-3; 8)	2 (0-4; 9)	2 (0-3; 7)	0 (0-2; 6)	0.5 (0-1; 5)
	Mean (SD)	1.8 (2.2)	1.8 (2.1)	2.3 (2.4)	2.2 (1.9)	0.9 (1.2)	0.8 (1.1)
Tenosynovitis	Median (IQR; max)	1 (0-4; 12)	1 (0-4; 11)	1 (0-5; 15)	2 (0-5; 12)	0 (0-0; 11)	0 (0-0; 9)
	Mean (SD)	2.3 (3.1)	2.6 (3.2)	2.8 (3.6)	2.9 (3.2)	0.6 (1.8)	0.6 (1.5)
Erosions	Median (IQR; max)	1 (1-3; 10)	2 (0-3; 12)	2 (1-3; 13)	2 (1-3; 15)	1 (0-2; 6)	1 (0-3; 9)
	Mean (SD)	2.2 (2.2)	2.3 (2.4)	2.2 (2.3)	2.3 (2.2)	1.5 (1.6)	1.6 (1.6)

Supplementary Table 3. Interreader intraclass correlation coefficients and average status scores according to the RAMRIS in patients with rheumatoid arthritis (RA: n=157 total) and undifferentiated arthritis patients (UA: n=148 total)

Patient population	RA n=91, k=2	RA n=66, k=2	UA n=66, k=2	UA n=82, k=2	
MTP-joints					
BME	ICC (95%CI) Median (IQR, max) Mean (SD)	0.94 (0.91-0.96) 1 (0-3.5; 20) 2.2 (3.3)	0.92 (0.86-0.95) 0.75 (0-2.5; 8.5) 1.5 (1.8)	0.65 (0.44-0.79) 0.5 (0-1; 8) 1.0 (1.8)	0.93 (0.88-0.96) 0 (0-1; 8.5) 0.7 (1.4)
Synovitis	ICC (95%CI) Median (IQR, max) Mean (SD)	0.89 (0.77-0.93) 1.0 (0-3.0; 8) 1.9 (2.0)	0.95 (0.92-0.97) 1 (0-3; 10) 2.0 (2.4)	0.90 (0.82-0.94) 0.5 (0-1; 5) 0.9 (1.2)	0.85 (0.73-0.91) 0 (0-1; 4.5) 0.7 (1.1)
Tenosynovitis	ICC (95%CI) Median (IQR, max) Mean (SD)	0.79 (0.62-0.87) 1.0 (0-3; 8) 1.8 (2.2)	0.76 (0.49-0.87) 0.5 (0-3; 12) 2.1 (2.9)	0.95 (0.91-0.97) 0 (0-0.5; 7.5) 0.6 (1.4)	0.92 (0.87-0.95) 0 (0-1; 5) 0.6 (1.1)
Erosions	ICC (95%CI) Median (IQR, max) Mean (SD)	0.86 (0.79-0.91) 0.5 (0-1.0; 9) 0.9 (1.3)	0.92 (0.87-0.95) 0.5 (0-1.0; 5.5) 0.6 (0.9)	0.95 (0.91-0.97) 0 (0-1; 3.5) 0.5 (0.8)	0.92 (0.83-0.95) 0 (0-1; 3) 0.5 (0.7)
MCP-joints					
BME	ICC (95%CI) Median (IQR, max) Mean (SD)	0.57 (0.35-0.72) 0 (0-2.5; 6) 0.7 (1.5)	0.91 (0.80-0.95) 0.5 (0-1.5; 14) 1.4 (2.5)	0.83 (0.73-0.90) 0 (0-0.5; 6.5) 0.4 (1.0)	0.88 (0.79-0.93) 0 (0-1; 8.5) 0.7 (1.6)
Synovitis	ICC (95%CI) Median (IQR, max) Mean (SD)	0.87 (0.77-0.93) 0.5 (0-2.5; 6) 1.4 (1.7)	0.95 (0.91-0.97) 0.75 (0-2.5; 9) 1.5 (2.0)	0.92 (0.87-0.95) 0 (0-0.5; 4) 0.5 (1.0)	0.86 (0.78-0.91) 0 (0-0.5; 4) 0.4 (0.9)
Tenosynovitis	ICC (95%CI) Median (IQR, max) Mean (SD)	0.91 (0.86-0.94) 2 (0.5-3; 8.5) 2.2 (2.0)	0.92 (0.83-0.96) 2.5 (0.5-4; 13) 3.0 (2.8)	0.94 (0.90-0.97) 0.25 (0-2; 5) 1.2 (1.6)	0.89 (0.82-0.93) 1 (0-1.5; 10.5) 1.4 (2.0)
Erosions	ICC (95%CI) Median (IQR, max) Mean (SD)	0.93 (0.90-0.96) 0 (0-1; 5) 0.7 (1.0)	0.94 (0.90-0.96) 0.5 (0-1.5; 5) 0.9 (1.1)	0.88 (0.81-0.93) 0 (0-1; 4) 0.5 (0.8)	0.92 (0.88-0.95) 0 (0-1; 3.5) 0.5 (0.7)

Wrist					
BME	ICC (95%CI)	0.89 (0.84-0.93)	0.90 (0.72-0.95)	0.82 (0.70-0.89)	0.95 (0.83-0.98)
	Median (IQR, max)	1.5 (0-3.5; 17)	2.25 (1-5.5; 23)	0.5 (0-1.5; 9.5)	2 (0-4; 27)
	Mean (SD)	2.7 (3.6)	3.9 (4.1)	1.4 (2.2)	3.9 (6.2)
Synovitis	ICC (95%CI)	0.91 (0.86-0.94)	0.93 (0.89-0.96)	0.83 (0.72-0.90)	0.93 (0.90-0.96)
	Median (IQR, max)	2 (0-4.5; 8)	2.5 (1.5-4; 8)	0.5 (0-3; 7)	1.5 (0-3.5; 7.5)
	Mean (SD)	2.4 (2.2)	2.8 (2.1)	1.5 (1.8)	2.1 (2.2)
Tenosynovitis	ICC (95%CI)	0.93 (0.88-0.95)	0.96 (0.93-0.98)	0.94 (0.90-0.96)	0.95 (0.93-0.97)
	Median (IQR, max)	2.5 (1-5.5; 11.5)	2.25 (0.5-6; 13)	0 (0-3.5; 11)	1 (0-4.5; 12)
	Mean (SD)	3.4 (3.1)	3.6 (3.7)	1.9 (2.8)	2.5 (3.1)
Erosions	ICC (95%CI)	0.80 (0.69-0.87)	0.92 (0.88-0.95)	0.91 (0.85-0.94)	0.95 (0.92-0.97)
	Median (IQR, max)	1.5 (1-3.5; 7.5)	2 (1-3; 14)	1 (0.5-3.5; 9.5)	1.5 (0.5-3.5; 10)
	Mean (SD)	2.2 (1.9)	2.4 (2.3)	2 (2.1)	2.2 (2.2)

Supplementary Table 4. Interreader intraclass correlation coefficients and average status scores according to the RAMRIS in patients with spondyarthropathy (SpA; n=45 total) and inflammatory osteoarthritis (OA; n=23 total)

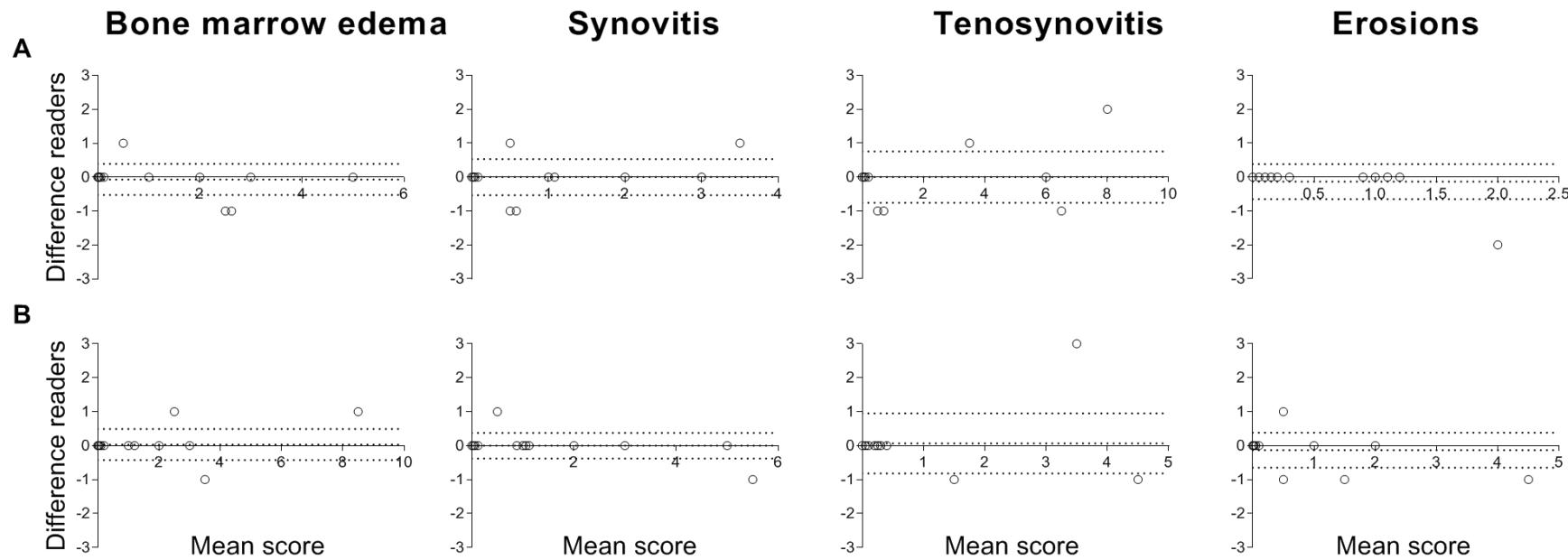
Patient population	SpA n=15, k=2	SpA n=30, k=2	Inflam. OA n=12	Inflam. OA n=11
MTP-joints				
BME	ICC (95%CI) Median (IQR, max) Mean (SD)	0.98 (0.94-0.993) 0.5 (0-1; 9.5) 1.2 (2.4)	0.93 (0.85-0.97) 1 (0-2.5; 18) 2.1 (3.7)	0.85 (0.40-0.96) 1 (0.25-1; 2.5) 0.8 (0.7)
Synovitis	ICC (95%CI) Median (IQR, max) Mean (SD)	0.94 (0.84-0.98) 0.5 (0-1; 6) 0.9 (1.6)	0.75 (0.49-0.88) 1 (0-2; 3.5) 1.1 (1.1)	0.86 (0.53-0.96) 1 (0-1; 1.5) 0.7 (0.5)
Tenosynovitis	ICC (95%CI) Median (IQR, max) Mean (SD)	0.99 (0.98-0.99) 0 (0-0.5; 6) 1 (2.0)	0.82 (0.46-0.93) 0.75 (0-2; 4.5) 4.5 (1.1-1.4)	0.92 (0.72-0.98) 0 (0-0; 1.5) 0.2 (0.5)
Erosions	ICC (95%CI) Median (IQR, max) Mean (SD)	1.0 (NA) 0 (0-1; 1) 0.3 (0.5)	0.44 (-0.21-0.73) 0 (0-0.5; 1) 0.3 (0.4)	0.55 (-0.7-0.87) 0.75 (0.5-1; 2) 0.8 (0.5)
MCP-joints				
BME	ICC (95%CI) Median (IQR, max) Mean (SD)	0.84 (0.52-0.95) 0 (0-1; 3) 0.6 (0.9)	0.97 (0.94-0.99) 0 (0-1.5; 7) 1.3 (2.2)	0.62 (-0.14-0.9) 0 (0-1; 1.5) 0.4 (0.6)
Synovitis	ICC (95%CI) Median (IQR, max) Mean (SD)	0.98 (0.94-0.99) 0 (0-0.5; 6) 0.6 (1.6)	0.79 (0.57-0.9) 0 (0-1.5; 3.5) 0.8 (1.1)	0.83 (0.39-0.95) 0 (0-0.25; 1.5) 0.3 (0.5)
Tenosynovitis	ICC (95%CI) Median (IQR, max) Mean (SD)	0.79 (0.39-0.93) 0 (0-0; 2) 0.2 (0.6)	0.92 (0.78-0.97) 0.25 (0-1.5; 5) 1 (1.4)	0.89 (0.62-0.97) 0 (0-0.5; 3.5) 0.5 (1.0)
Erosions	ICC (95%CI) Median (IQR, max) Mean (SD)	0.93 (0.78-0.98) 0 (0-1; 2) 0.5 (0.7)	0.93 (0.84-0.96) 0 (0-1; 2) 0.45 (0.6)	0.96 (0.87-0.99) 0 (0-1.5; 3) 0.7 (1.1)

Wrist

BME	ICC (95%CI)	0.99 (0.98-0.99)	0.90 (0.49-0.97)	0.98 (0.93-0.99)	0.94 (0.10-0.99)
	Median (IQR, max)	0.5 (0-1; 14.5)	1.25 (0-4; 12.5)	1.25 (0.3-4.3; 24)	3.5 (2.5-7; 19.5)
	Mean (SD)	1.4 (3.7)	2.5 (3.1)	4.1 (7.0)	6.2 (6.2)
Synovitis	ICC (95%CI)	0.93 (0.81-0.98)	0.91 (0.81-0.96)	0.97 (0.88-0.99)	0.94 (0.78-0.98)
	Median (IQR, max)	0 (0-1; 4.5)	0.75 (0-1.5; 5)	0.5 (0.54.5; 6.5)	2.5 (1.5-5; 7.5)
	Mean (SD)	1.4 (3.7)	1.1 (1.3)	2.0 (2.3)	3.1 (2.2)
Tenosynovitis	ICC (95%CI)	0.94 (0.83-0.98)	0.95 (0.89-0.98)	0.83 (0.36-0.96)	0.97 (0.88-0.99)
	Median (IQR, max)	0 (0-1; 3.5)	0 (0-1.5; 8)	0 (0-3; 8)	1.5 (0.5-8; 13)
	Mean (SD)	0.5 (0.9)	1.1 (2.1)	1.4 (2.5)	3.5 (4.3)
Erosions	ICC (95%CI)	0.97 (0.90-0.99)	0.81 (0.60-0.91)	0.73 (0.04-0.92)	0.98 (0.92-0.99)
	Median (IQR, max)	1 (0-2; 9)	1.5 (0-2.5; 6.5)	3.25 (2.3-5; 8)	3 (2-4.5; 12)
	Mean (SD)	1.8 (2.3)	1.5 (1.5)	3.6 (1.9)	4.1 (3.2)

Caution should be given when interpreting the results due to low number of patients.

Supplementary Figure 2. Bland-Altman plot depicting intrareader agreement of status scores of the metatarsophalangeal-joints for the two different readers



Bland-Altman plots of assessment of agreement of scores between the two readings. The Y-axes demonstrates the absolute difference between the first time reading minus the second time. The X-axes denotes the average value between the two readings ((time 1-time 2)/2). The middle dotted line depicts the mean, the upper and lower dotted lines depict the ±95% limits of agreement. A: reader 1, B: reader 2, N=15 patients. From left to right the following MRI-lesions are depicted: bone marrow edema (BME), synovitis, tenosynovitis and erosions.

Supplementary Table 5. Change scores of individual readers according to the RAMRIS in patients with early arthritis (n=30) from baseline until 12 months of follow-up

	Reader 1						Reader 2					
	Baseline		1 year		Change		Baseline		1 year		Change	
	Median (IQR)	Mean (SD)										
MTP												
BME	1 (0-4)	2.4 (3.7)	0 (0-2)	1.2 (1.6)	0 (-2-0)	-1.2 (2.9)	1 (0-4)	2.4 (3.8)	0 (0-2)	1.1 (1.7)	0 (-1-0)	-1.4 (2.9)
Synovitis	3 (0-4)	2.9 (2.6)	1 (0-2)	1.3 (1.4)	-1 (-4-0)	-1.6 (2.3)	3 (0-5)	3.0 (2.8)	1 (0-2)	1.5 (1.6)	-1 (-3-0)	-1.4 (2.5)
Tenosynovitis	1 (0-3)	1.6 (1.9)	0 (0-0)	0.1 (0.4)	-1 (-3-0)	-1.5 (1.9)	1 (0-2)	1.4 (1.9)	0 (0-0)	0.2 (0.6)	0 (-2-0)	-1.2 (1.9)
Erosions	1 (0-2)	1.2 (1.8)	1 (0-2)	1.5 (2.1)	0 (0-0)	0.3 (0.7)	1 (0-1)	1.1 (1.7)	1 (0-2)	1.5 (2.0)	0 (0-1)	0.4 (0.7)
MCP												
BME	0 (0-2)	1.4 (2.3)	0 (0-0)	0.5 (1.1)	0 (-2-0)	-0.9 (1.9)	0 (0-2)	1.4 (2.3)	0 (0-0)	0.6 (1.4)	0 (-2-0)	-0.8 (1.9)
Synovitis	3 (0-6)	3.3 (3.1)	2 (0-3)	1.9 (2.1)	-2 (-3-0)	-1.3 (2.8)	3 (0-5)	3.3 (2.9)	1 (0-3)	1.9 (1.9)	-2 (-3-0)	-1.4 (2.7)
Tenosynovitis	1 (0-4)	2.2 (2.9)	0 (0-1)	0.8 (1.8)	0 (-3-0)	-1.4 (2.7)	1 (0-3)	2.1 (2.7)	0 (0-1)	0.8 (1.7)	0 (-2-0)	-1.3 (2.6)
Erosions	0 (0-1)	0.6 (1.1)	1 (0-1)	1.0 (1.5)	0 (0-1)	0.4 (0.7)	0 (0-1)	0.7 (1.2)	1 (0-1)	1.1 (1.5)	0 (0-1)	0.4 (0.6)
Wrist												
BME	5 (0-1)	6.2 (7.3)	2 (1-5)	3.4 (6.9)	-1 (-3-0)	-2.8 (5.4)	5 (1-8)	6.3 (7.0)	2 (1-3)	3.4 (6.3)	-1 (-5-0)	-2.9 (4.8)
Synovitis	3 (2-7)	4.1 (3.0)	2 (1-3)	2.5 (2.5)	-1 (-4-0)	-1.6 (2.8)	4 (2-7)	4.6 (3.1)	2 (0-3)	2.3 (2.5)	-2 (-4-0)	-2.3 (2.8)
Tenosynovitis	3 (0-6)	3.4 (3.6)	0 (0-1)	0.8 (2.1)	-2 (-4-0)	-2.6 (3.3)	3 (0-6)	3.5 (3.4)	0 (0-1)	0.8 (1.9)	-2 (-5-0)	-2.6 (3.1)
Erosions	2 (1-4)	3.1 (3.0)	4 (1-6)	4.1 (4.0)	0 (0-1)	1.0 (2.3)	3 (1-4)	3.4 (3.1)	3 (2-6)	4.1 (3.7)	0 (0-1)	0.7 (1.6)