

**Supplementary Table S8** Correlation between magnetic resonance imaging features and patient-reported outcomes using data without imputations

	Baseline	1 year follow-up	5 years' follow-up	Δ Baseline – 1 year follow-up	Δ Baseline – 5 years' follow-up
<b>HAQ</b>					
MRI synovitis	<b>0.24**</b>	0.08	0.07	<b>0.21**</b>	<b>0.20</b>
MRI tenosynovitis	<b>0.18*</b>	-0.02	0.13	<b>0.24**</b>	0.19
MRI osteitis	0.12	<b>0.21**</b>	0.18	<b>0.16*</b>	<b>0.32**</b>
MRI erosion	0.03	0.08	0.16	0.00	-0.07
MRI JSN	-0.05	<b>0.19**</b>	0.13	-0.08	-0.15
MRI combined inflammation	<b>0.21**</b>	0.09	0.15	<b>0.26**</b>	<b>0.25*</b>
MRI combined damage	0.02	0.13	<b>0.21*</b>	-0.02	-0.09
<b>VAS-PtGlobal</b>					
MRI synovitis	0.09	-0.01	0.01	<b>0.22**</b>	<b>0.32**</b>
MRI tenosynovitis	0.00	-0.03	0.15	0.13	0.17
MRI osteitis	0.12	0.09	-0.02	<b>0.25**</b>	<b>0.24*</b>
MRI erosion	-0.06	0.03	0.09	0.05	-0.09
MRI JSN	0.02	0.05	0.09	0.02	-0.16
MRI combined inflammation	0.07	0.03	0.03	<b>0.24**</b>	<b>0.30**</b>
MRI combined damage	-0.03	0.05	0.16	0.06	-0.14
<b>VAS-pain</b>					
MRI synovitis	<b>0.19**</b>	0.03	-0.03	<b>0.29**</b>	<b>0.44**</b>
MRI tenosynovitis	0.05	-0.03	0.18	<b>0.16*</b>	<b>0.29**</b>
MRI osteitis	0.08	0.14	-0.06	<b>0.22**</b>	<b>0.29**</b>
MRI erosion	-0.02	0.01	0.04	0.03	-0.18
MRI JSN	0.05	0.07	0.03	0.01	-0.16
MRI combined inflammation	0.12	0.08	0.00	<b>0.28**</b>	<b>0.40**</b>
MRI combined damage	0.00	0.03	0.08	0.03	-0.18

Associations for status and change scores by Spearman correlations. Statistically significant correlations are written in bold and are interpreted as follows: \*P<0.05, \*\*P<0.01, \*\*\*P<0.001. Abbreviations:  $\Delta$ : Change, HAQ: Health assessment questionnaire, PtGlobal: Patient global, VAS: Visual analogue scale, JSN: Joint space narrowing.