

**Supplementary Table S3 – Generalized estimating equations, metacarpophalangeal joints**

	Status				Change			
	Univariate		Multivariable		Univariate		Multivariable	
	B (95% CI)	p	B (95% CI)	p	B (95% CI)	p	B (95% CI)	p
<b>HAQ*</b>								
<b>Synovitis</b>	0.04 (0.02;0.05)	<b>&lt;0.001</b>	0.00 (-0.01;0.02)	<b>0.73</b>	0.03 (-0.01;0.07)	<b>0.13</b>		
<b>Tenosynovitis</b>	0.04 (0.02;0.05)	<b>&lt;0.001</b>	-0.01 (-0.02;0.01)	<b>0.27</b>	0.07 (0.04;0.11)	<b>&lt;0.001</b>	0.07 (0.03;0.11)	<b>&lt;0.001</b>
<b>Osteitis</b>	0.02 (-0.01;0.06)	<b>0.23</b>			-0.03 (-0.13;0.08)	<b>0.65</b>		
<b>Erosion</b>	0.05 (-0.03;0.13)	<b>0.26</b>			-0.03 (-0.27;0.21)	<b>0.79</b>		
<b>JSN</b>	0.03 (-0.12;0.19)	<b>0.69</b>			NA**	-		
<b>Inflammation</b>	0.02 (0.02;0.03)	<b>&lt;0.001</b>	0.00 (-0.01;0.01)	<b>0.52</b>	0.04 (0.01;0.06)	<b>0.002</b>	0.03 (0.01;0.06)	<b>0.01</b>
<b>Damage</b>	0.12 (0.00;0.23)	<b>0.04</b>	0.00 (-0.02;0.03)	<b>0.77</b>	-0.02 (-0.26;0.23)	<b>0.88</b>		
<b>VAS-PtGlobal*</b>								
<b>Synovitis</b>	0.06 (0.04;0.09)	<b>&lt;0.001</b>	0.03 (0.01;0.06)	<b>0.01</b>	2.01 (0.48;3.53)	<b>0.01</b>	0.80 (-0.81;2.40)	<b>0.33</b>
<b>Tenosynovitis</b>	0.06 (0.03;0.09)	<b>&lt;0.001</b>	0.00 (-0.02;0.03)	<b>0.80</b>	3.58 (1.87;5.29)	<b>&lt;0.001</b>	3.24 (1.36;5.13)	<b>0.001</b>
<b>Osteitis</b>	0.00 (-0.09;0.09)	<b>0.98</b>			0.32 (-4.30;4.94)	<b>0.89</b>		
<b>Erosion</b>	0.08 (-0.06;0.22)	<b>0.27</b>			7.54 (-3.07;18.15)	<b>0.16</b>		
<b>JSN</b>	0.13 (-0.11;0.38)	<b>0.29</b>			NA**	-		
<b>Inflammation</b>	0.04 (0.02;0.05)	<b>&lt;0.001</b>	0.02 (0.00;0.03)	<b>0.02</b>	2.01 (0.98;3.03)	<b>&lt;0.001</b>	1.89 (0.86;2.92)	<b>&lt;0.001</b>
<b>Damage</b>	0.21 (0.05;0.37)	<b>0.01</b>	0.00 (-0.05;0.05)	<b>0.94</b>	8.05 (-2.80;18.90)	<b>0.15</b>		
<b>VAS-pain*</b>								
<b>Synovitis</b>	0.07 (0.04;0.09)	<b>&lt;0.001</b>	0.03 (0.01;0.06)	<b>0.01</b>	2.19 (0.69;3.69)	<b>0.004</b>	0.94 (-0.63;2.51)	<b>0.24</b>
<b>Tenosynovitis</b>	0.06 (0.02;0.09)	<b>&lt;0.001</b>			3.59 (1.94;5.24)	<b>&lt;0.001</b>	3.18 (1.42;4.94)	<b>&lt;0.001</b>
<b>Osteitis</b>	0.02 (-0.05;0.09)	<b>0.57</b>			2.30 (-2.54;7.13)	<b>0.35</b>		
<b>Erosion</b>	0.07 (-0.07;0.20)	<b>0.35</b>			3.82 (-5.76;13.39)	<b>0.44</b>		
<b>JSN</b>	0.07 (-0.20;0.34)	<b>0.62</b>			NA**	-		
<b>Inflammation</b>	0.04 (0.03;0.05)	<b>&lt;0.001</b>	0.02 (0.00;0.03)	<b>0.02</b>	2.18 (1.19;3.18)	<b>&lt;0.001</b>	2.01 (1.08;2.94)	<b>&lt;0.001</b>
<b>Damage</b>	0.19 (-0.03;0.36)	<b>0.02</b>	0.00 (-0.05;0.05)	<b>0.94</b>	4.47 (-5.35;14.30)	<b>0.37</b>		

All GEE analyses were adjusted for age and sex. Due to statistical skewness, the damage parameters were dichotomized as follows: JSN: score >0, Erosion: Score >1, Damage: Score >2. MRI parameters with a univariate p-value < 0.10 were included in multivariable GEE analysis where CRP and SJC were incorporated. \*Log-transformed for status scores. Abbreviations: HAQ: Health assessment questionnaire, JSN: Joint space narrowing, PtGlobal: Patient global, VAS: Visual analogue scale. \*\*NA: Not able to calculate due to zero change.