Assessment of arterial stiffness variables in patients with rheumatoid arthritis: A mediation analysis

Delia Taverner, Silvia Paredes, Raimon Ferré, Lluís Masana, Antoni Castro, Joan-Carles Vallvé.

Supplemental table 1: Association of interaction terms with PWV, Distensibility, and Augmentation index.

			PWV (m/s)		
Interaction term	β	SE	P value	95%CI	
Age*DAS28	0.00031	0.002	0.89	-0.004	0.179
BMI*DAS28	0.0011	0.005	0.82	-0.009	0.011
SBP*DAS28	0.0002	0.001	0.83	-0.002	0.002
			Dist (m/s)		
Interaction term	β	SE	P value	95%CI	
Age*DAS28	0.00031	0.002	0.89	-0.004	0.179
BMI*DAS28	0.0011	0.005	0.82	-0.009	0.011
			AIx		
Interaction term	β	SE	P value	95%CI	
Age*DAS28	0.014	0.008	0.068	-0.001	0.03
TJC*DAS28	-0.227	0.198	0.254	-0.62	0.16

Adjusted β linear regression estimates of the effect of interaction terms on PWV, Dist, and AIx.
PWV; pulse wave velocity, Dist; distensibility, Aix; augmentation index, β; linear regression estimates, SE; standard error, CI; confidence interval, DAS28; disease activity score, BMI; Body mass index, SBP; systolic blood pressure, TJC; tender joint counts. Data for AIx was only available for 128 AR patients.

Supplemental Table 2: Association of arterial stiffness variables with cIMT and plaque presence.

		PWV	**AIx**	**Distensibility**
cIMT				
	β	2.48	-2.35	0.039
	SE	3.49	1.17	0.065
	95% CI	-4.4; 9.38	-5.86;1.16	-0.09;0.17
	R^2 (%)	9	1.3	0.1
	P value	0.47	0.18	0.55
Plaque presence				
	OR	1.003	1.05	1.002
	SE	0.09	0.048	0.002
	95% CI	0.84;1.2	0.96;1.16	0.99;1.005
	R^2 (%)	8.1	6.7	0.8
	P value	0.97	0.28	0.14

Adjusted β linear regression estimates and OR of the effect of PWV, AIx and distensibility on cIMT and plaque presence. Models are adjusted for age, gender, exercise, disease duration, body mass index, systolic and diastolic blood pressure. SE=standard error. OR=odds ratio.