

Supplemental Digital Content 1: Correlation matrix for variables in the new RA equation

	Estimated cardio-respiratory fitness (eCRF)	Gender	Age	Body mass index (BMI)	Resting heart rate (RHR)	Smoking	Physical activity summary index (PA Index)	Patient global RA assessment (PGA)
Estimated cardio-respiratory fitness (eCRF)	1.0000							
Gender	0.4304	1.0000						
Age	-0.6200	0.0110	1.0000					
Body mass index (BMI)	-0.3853	0.0449	0.0492	1.0000				
Resting heart rate (RHR)	-0.2497	-0.0657	-0.0004	0.2264	1.0000			
Smoking	-0.2997	0.0705	0.2890	0.0731	0.1723	1.0000		
Physical activity summary index (PA index)	0.3266	-0.2120	-0.3301	-0.2079	-0.0118	-0.1630	1.0000	
Patient global RA assessment (PGA)	-0.3243	-0.2595	0.1096	0.0858	-0.0324	0.0943	-0.0283	1.000