

Supplementary table 4. Univariable analysis with time-dependent Cox proportional hazard regression for predicting MACE only

Variables [^]	Total person-time intervals	Time-dependent HR (95% CI)	p value
CRP	1045	1.01 (1.00, 1.05)	0.007*
CRP>3 mg/L	1045	2.89 (0.56, 15.05)	0.206
ESR	1013	1.01 (0.99, 1.04)	0.348
MTX	1237	1.13 (0.26, 3.04)	0.850
NSAIDs	1237	0.29 (0.07, 1.10)	0.068
--COX 2 selective inhibitor		2.63(0.32, 21.37)	0.366
--Non-COX 2 selective inhibitor		0.31 (0.08, 1.21)	0.091
bDMARDs	1618	0.58 (0.07, 4.54)	0.604
FRS at baseline	N/A	4.23 (1.12, 16.02)	0.034*

[^]variables are time-varying unless otherwise specified

*statistically significant at $p \leq 0.05$

MACE, major adverse cardiovascular events; HR, hazard ratio; CRP, C reactive protein; ESR, erythrocyte sedimentation rate; MTX, methotrexate; NSAIDs, nonsteroidal anti-inflammatory drugs; bDMARDs, biological disease-modifying antirheumatic drugs; FRS, Framingham Risk Score.

Supplementary table 5. Multivariable analysis with time-dependent Cox proportional hazard regression for predicting MACE only.

Variables [^]	Time-dependent HR (95% CI)	p-value	Time-dependent HR (95% CI)	p- value
CRP	1.03 (1.01, 1.05)	0.010*	1.03 (1.01, 1.05)	0.010*
NSAIDs	0.43 (0.09, 2.05)	0.292	N/A	N/A
Non-COX2 selective inhibitor	N/A	N/A	0.46 (0.10, 2.21)	0.334
bDMARDs	1.05 (0.12, 9.10)	0.965	1.01 (0.12, 8.76)	0.990
FRS at baseline	2.09 (0.46, 9.45)	0.339	2.10 (0.46, 9.51)	0.335

[^]variables are time-varying unless otherwise specified

*statistically significant at $p \leq 0.05$

MACE, major adverse cardiovascular events; HR, hazard ratio; CRP, C reactive protein; NSAIDs, nonsteroidal anti-inflammatory drugs; bDMARDs, biological disease-modifying antirheumatic drugs; FRS, Framingham Risk Score.