

Serum C-reactive protein metabolite (CRPM) is associated incidence of contralateral knee osteoarthritis.

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SUPPLEMENTARY DATA.

Table S1. Difference in serum CRP and CRPM between cohorts including comparison of E-RA and MS-RA.

Supplementary to table 3 of the main manuscript. Differences are shown as estimated marginal mean differences (EMMD) with standard errors (SE) and area under the curve (AUC) with 95%-CI.

		log CRP		log CRPM	
		MS-RA	OA	MS-RA	OA
E-RA	EMMD (SE)	0.28 (0.07)	-0.47 (0.07)	0.07 (0.02)	-0.19 (0.02)
	p value	0.0001	< 0.0001	0.0038	< 0.0001
	AUC _{marker} [95%-CI]	0.65 [0.61-0.69]	0.73 [0.70-0.76]	0.64 [0.60-0.67]	0.81 [0.78-0.84]
	AUC _{covariates} [95%-CI]	0.65 [0.61-0.69]	0.83 [0.80-0.85]	0.65 [0.61-0.69]	0.83 [0.80-0.85]
	AUC _{marker+covariates} [95%-CI]	0.70 [0.67-0.74]	0.87 [0.85-0.90]	0.70 [0.66-0.73]	0.90 [0.88-0.93]
MS-RA	EMMD (SE)	-	-0.77 (0.03)	-	-0.27 (0.01)
	p value	-	< 0.0001	-	< 0.0001
	AUC _{marker} [95%-CI]	-	0.88 [0.86-0.89]	-	0.90 [0.88-0.91]
	AUC _{covariates} [95%-CI]	-	0.87 [0.85-0.89]	-	0.87 [0.85-0.89]
	AUC _{marker+covariates} [95%-CI]	-	0.95 [0.93-0.96]	-	0.95 [0.94-0.96]

Table S2. Difference in area under the curve (AUC) for separating OA from E-RA.

Supplementary to figure 3 of the main manuscript. Data is shown as AUC (SE) and p-value. P > 0.05 is shown as ns.

E-RA vs. OA	Covariates	CRP	CRPM	CRP + Covariates
CRP	0.10 (0.06), ns	-	-	-
CRPM	0.02 (0.05), ns	0.08 (0.04), 0.036	-	-
CRP + Covariates	0.05 (0.02), 0.0079	0.15 (0.05), 0.0021	-	-
CRPM + Covariates	0.08 (0.02), 0.0001	-	0.10 (0.03), 0.0050	0.03 (0.02), 0.037

Table S3. Difference in area under the curve (AUC) for separating OA from MS-RA.

Supplementary to figure 3 of the main manuscript. Data is shown as AUC (SE) and p-value. P > 0.05 is shown as ns.

MS-RA vs. OA	Covariates	CRP	CRPM	CRP + Covariates
CRP	0.01 (0.01), ns	-	-	-
CRPM	0.03 (0.01), 0.0098	0.02 (0.01), 0.020	-	-
CRP + Covariates	0.08 (0.01), <0.0001	0.07 (0.01), <0.0001	-	-
CRPM + Covariates	0.08 (0.02), <0.0001	-	0.05 (0.01), <0.0001	0.00 (0.01), ns

Figure S1. Correlations between CRP and CRPM in the RA and OA cohort.

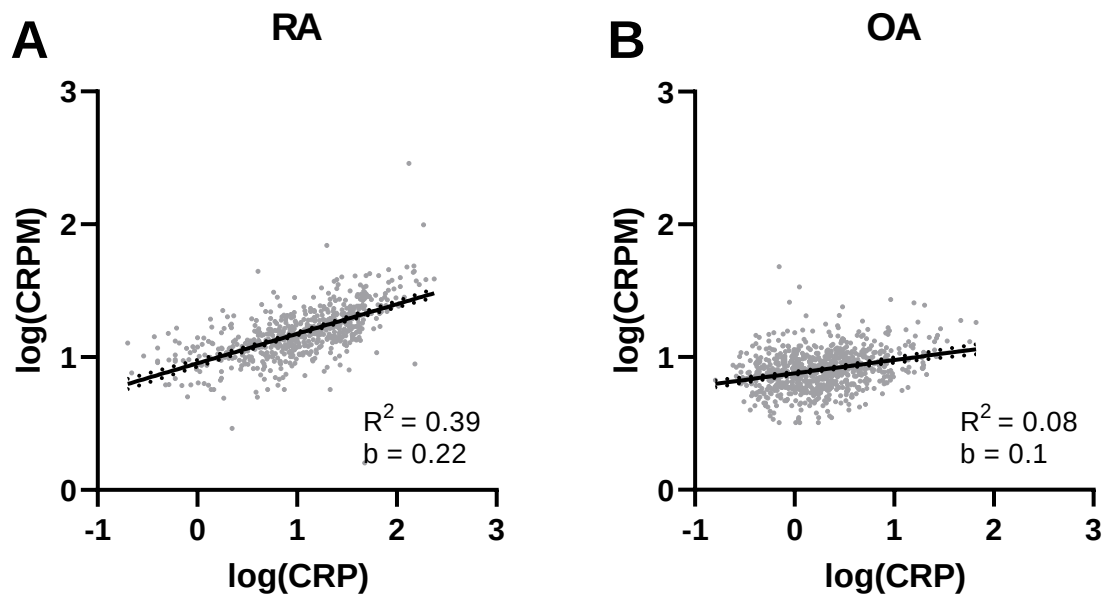


Figure S1. Correlations between serum CRP and CRPM levels in the RA cohorts (A) and the OA cohort (B). Correlations were tested by simple linear regression. Data is shown as individual patients (grey dots and regression line (black line) with 95% confidence interval (black dotted line). Regression coefficient R^2 and slope (b) are given.

