

SUPPLEMENTARY INFORMATION

Supplementary tables

Supplementary Table 1. Association of serum MMP-8, TIMP-1 concentrations and MMP-8/TIMP-1 ratios with incidence of breast, colorectal, lung, prostate or any cancer during 26-year follow-up.

		Incident cancer				
		Any	Breast	Colorectal	Lung	Prostate
MMP-8	HR	1.20	1.19	1.22	1.27	1.01
	95% CI	1.06-1.35	0.87-1.63	0.85-1.75	0.87-1.84	0.77-1.31
	p-value	0.003	0.27	0.29	0.22	0.97
TIMP-1	HR	4.50	2.50	3.61	6.49	0.27
	95% CI	2.58-7.85	0.52-11.98	0.65-20.19	1.10-38.35	0.07-1.02
	p-value	2.1E-7	0.22	0.14	0.03	0.06
MMP-8 /TIMP-1 ratio	HR	1.12	1.13	1.13	1.17	1.10
	95% CI	0.99-1.26	0.83-1.55	0.79-1.63	0.80-1.71	0.85-1.43
	p-value	0.05	0.44	0.50	0.41	0.48

Bold indicates statistical significance ($p < 0.05$). Cox regression analyses were adjusted for age, sex, smoking (no, ex or current), and BMI (normal weight, overweight or obese). Individuals with prevalent cancer at baseline were excluded. HRs for log10-transformed concentrations. Breast cancer analyzed only in females and prostate cancer only in males.

Supplementary Table 2. Association of serum MMP-8 and TIMP-1 concentrations, and MMP-8/TIMP-1 ratios with cancer death during 26-year follow-up.

		No prevalent cancer	Incident cancer & no prevalent cancer
MMP-8	HR	1.31	1.23
	95% CI	1.08-1.57	1.01-1.49
	p-value	0.005	0.04
TIMP-1	HR	12.63	6.64
	95% CI	5.41-29.46	2.91-15.16
	p-value	4.4E-9	5.2E-6
MMP-8/TIMP-1 ratio	HR	1.16	1.11
	95% CI	0.96-1.40	0.92-1.34
	p-value	0.12	0.28

Bold indicates statistical significance ($p < 0.05$). Cox regression analyses were adjusted for age, sex, smoking (no, ex or current), and BMI (normal weight, overweight or obese). HRs for log10-transformed concentrations.