

Supplementary Table 1 Concentrations (pg/ml) of growth factors and inflammatory cytokines in PRP samples.

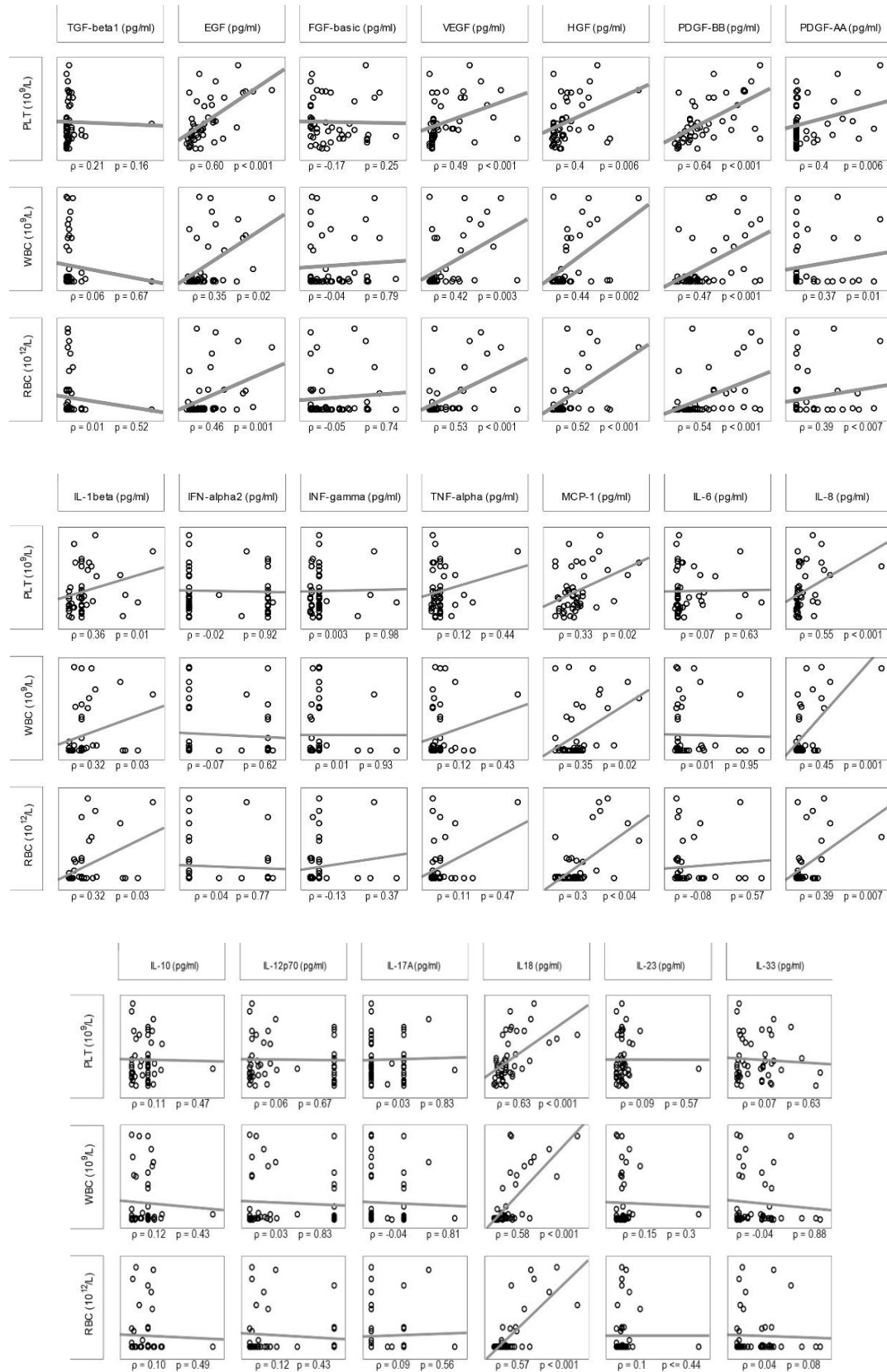
	Arthrex ACP	Mini GPS III	Xerthra	Dr.PRP
EGF	88.61 ± 87.12	384.46 ± 274.27	160.91 ± 215.12	210.64 ± 142.32
FGF-basic	144.16 ± 76.77	109.13 ± 79.42	93.88 ± 61.74	81.90 ± 48.54
HGF	190.80 ± 318.46	590.31 ± 456.27	242.56 ± 329.49	207.16 ± 227.17
VEGF	89.51 ± 149.80	415.21 ± 307.26	178.56 ± 296.15	139.78 ± 128.80
TGF-β1	54.32 ± 69.28	32.93 ± 18.98	34.25 ± 48.42	102.75 ± 259.38
PDGF-AA	26381.73 ±	80679.17 ±	42018.91 ±	43330.41 ±
	19002.92	38223.38	43924.74	30601.63
PDGF-BB	7531.75 ±	17949.81 ±	10575.73 ±	12411.06 ±
	11740.80	26078.98	18791.03	23248.06
IFN-α2	14.93 ± 4.64	14.68 ± 4.38	14.63 ± 4.34	14.42 ± 4.28
IL-10	10.44 ± 6.09	10.33 ± 5.44	10.67 ± 7.26	13.32 ± 14.09
IL-12p70	12.81 ± 12.51	13.01 ± 12.38	12.70 ± 12.59	13.61 ± 12.42
IL-17A	7.72 ± 0.89	7.64 ± 0.70	7.52 ± 0.53	7.54 ± 0.54
IL18	509.41 ± 353.45	1377.00 ± 908.64	283.01 ± 190.98	414.02 ± 325.62
IL-1β	18.94 ± 21.78	31.08 ± 26.35	17.26 ± 18.45	18.61 ± 18.16
IL-23	10.16 ± 4.97	10.88 ± 7.24	11.20 ± 9.44	15.28 ± 26.19
IL-33	31.52 ± 39.31	27.82 ± 28.36	31.11 ± 37.19	31.84 ± 31.11
IL-6	15.97 ± 24.04	12.72 ± 18.26	12.67 ± 19.12	14.16 ± 19.59
IL-8	139.53 ± 223.56	734.85 ± 864.07	122.98 ± 189.64	168.88 ± 232.11
IFN-γ	21.11 ± 32.10	18.77 ± 23.39	16.94 ± 16.99	18.93 ± 22.29
MCP-1	659.08 ± 336.42	1180.04 ± 834.99	507.43 ± 410.50	625.84 ± 470.53
TNF-α	30.19 ± 26.69	41.38 ± 60.06	21.94 ± 15.17	24.25 ± 21.99

EGF: epidermal growth factor; FGF-basic: fibroblast growth factor-basic; HGF: hepatocyte growth factor; VEGF: vascular endothelial growth factor; TGF-β1: transforming growth factor-β1; PDGF-AA: platelet-derived growth factor-AA; PDGF-BB: platelet-derived growth factor-BB; IFN-α2: interferon-α2; IL-10: interleukin-10; IL-12p70: interleukin-12p70; IL-17A: interleukin-17A; IL18: interleukin-18; IL-1β: interleukin-1β; IL-23: interleukin-23; IL-33: interleukin-33; IL-6: interleukin-6; IL-8: interleukin-8; IFN-γ: interferon-γ; MCP-1: monocyte chemoattractant protein-1; TNF-α: tumor necrosis factor α.

Supplementary Table 2 Significant Spearman correlations between blood cell components and growth factors or cytokines in PRP

Arthrex ACP		
PLT (10 ⁹ /L) & PDGF-AA (pg/ml)	$\rho = 0.58,$	$P = 0.048$
PLT (10 ⁹ /L) & INF- γ (pg/ml)	$\rho = 0.663,$	$P = 0.019$
PLT (10 ⁹ /L) & IL-8 (pg/ml)	$\rho = 0.608,$	$P = 0.036$
Mini GPS III		
RBC (10 ¹² /L) & IL-1 β (pg/ml)	$\rho = 0.733,$	$P = 0.007$
RBC (10 ¹² /L) & IL-18 (pg/ml)	$\rho = 0.615,$	$P = 0.033$
Xerthra		
PLT (10 ⁹ /L) & EGF (pg/ml)	$\rho = 0.682,$	$P = 0.021$
PLT (10 ⁹ /L) & VEGF (pg/ml)	$\rho = 0.691,$	$P = 0.019$
PLT (10 ⁹ /L) & PDGF-AA (pg/ml)	$\rho = 0.773,$	$P = 0.005$
PLT (10 ⁹ /L) & IL18 (pg/ml)	$\rho = 0.791,$	$P = 0.004$
WBC (10 ⁹ /L) & TGF-beta1 (pg/ml)	$\rho = 0.738,$	$P = 0.009$
WBC (10 ⁹ /L) & EGF (pg/ml)	$\rho = 0.836,$	$P = 0.001$
WBC (10 ⁹ /L) & VEGF (pg/ml)	$\rho = 0.773,$	$P = 0.005$
WBC (10 ⁹ /L) & PDGF-AA (pg/ml)	$\rho = 0.782,$	$P = 0.004$
RBC (10 ¹² /L) & EGF (pg/ml)	$\rho = 0.783,$	$P = 0.004$
RBC (10 ¹² /L) & VEGF (pg/ml)	$\rho = 0.758,$	$P = 0.007$
RBC (10 ¹² /L) & PDGF-AA (pg/ml)	$\rho = 0.786,$	$P = 0.004$
Dr.PRP		
PLT (10 ⁹ /L) & EGF (pg/ml)	$\rho = 0.65,$	$P = 0.022$
PLT (10 ⁹ /L) & FGF-basic (pg/ml)	$\rho = - 0.607,$	$P = 0.036$
WBC (10 ⁹ /L) & IL18 (pg/ml)	$\rho = 0.833,$	$P < 0.001$
WBC (10 ⁹ /L) & IL-23 (pg/ml)	$\rho = 0.67,$	$P = 0.017$

EGF: epidermal growth factor; FGF-basic: fibroblast growth factor-basic; VEGF: vascular endothelial growth factor; TGF- β 1: transforming growth factor- β 1; PDGF-AA: platelet-derived growth factor-AA; IL18: interleukin-18; IL-1 β : interleukin-1 β ; IL-23: interleukin-23; IL-8: interleukin-8; IFN- γ : interferon- γ



Supplementary Figure 1 Spearman correlations between blood cell components and growth factors/inflammatory cytokines in PRP.