LETTER TO THE EDITOR

Age- and gender-matched controls needed for platelet-based biomarker studies

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Age- and gender-matched controls needed for platelet-based biomarker studies

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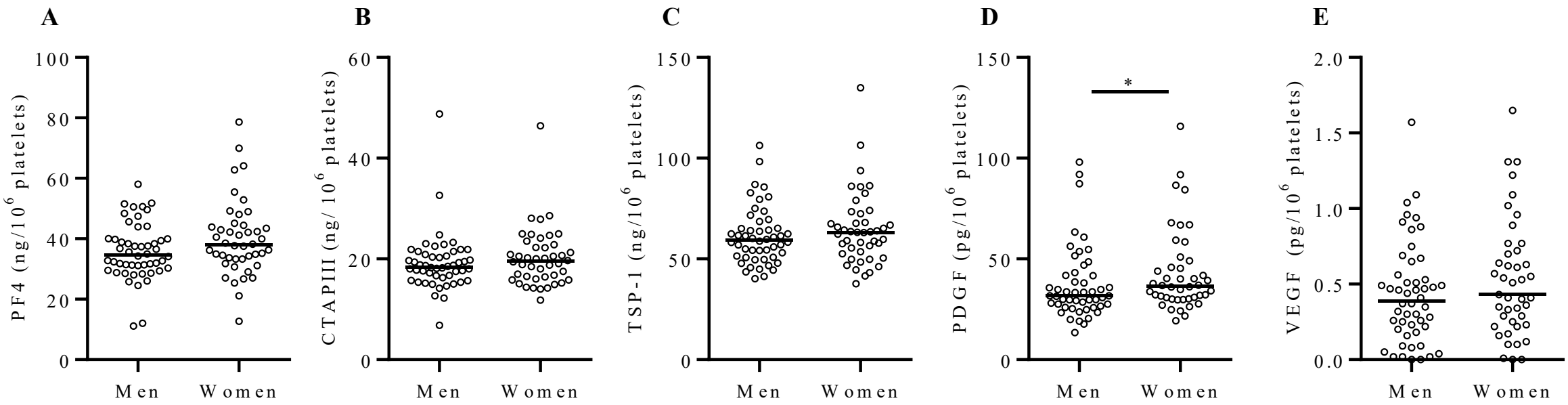
Supplemental Figure 1. The concentration of some, but not all platelet-derived factors per platelet are gender-dependent. Concentrations of PF4, CTAPIII, TSP-1, PDGF and VEGF were determined in platelets of healthy men (n=50) and women (n=44). Data are presented as scatterplot with a median. *$p < 0.05$

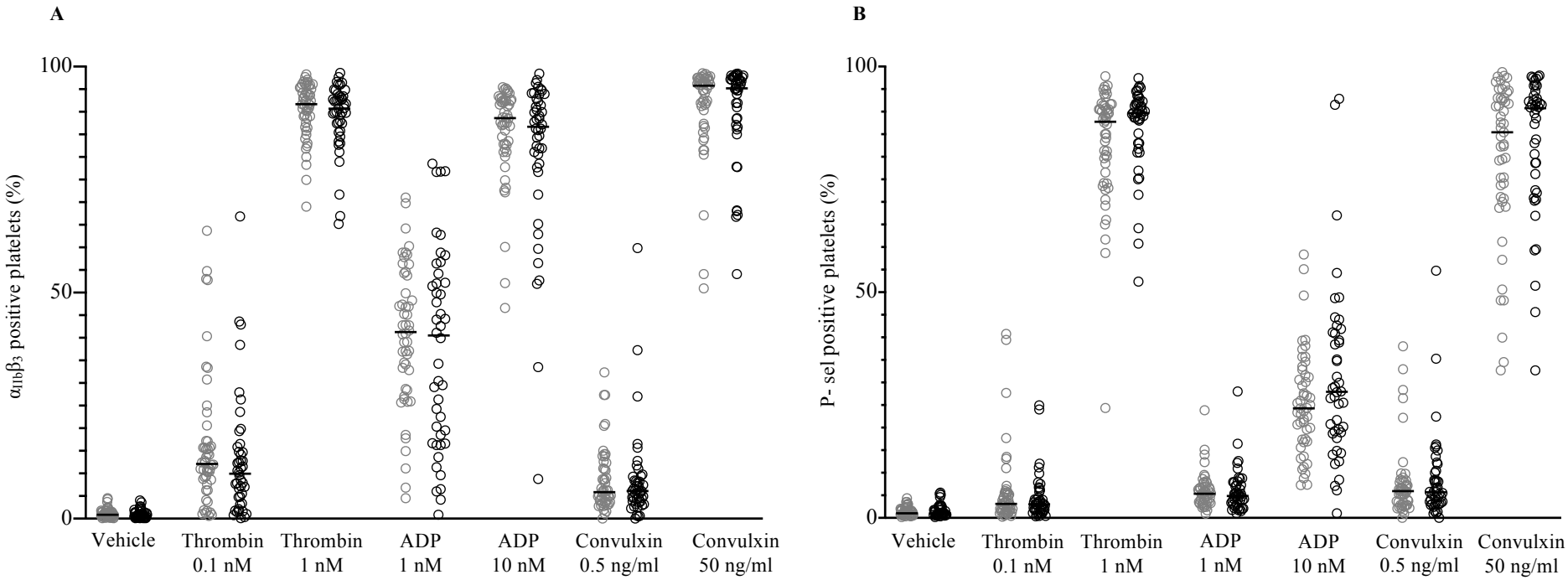
Supplemental Figure 2. Platelet activation does not differ between men and women. Effect of thrombin, ADP and convulxin on activation of $\alpha_{IIb}\beta_3$ and expression of P-selectin on the platelet surface of healthy men (gray circles, n=50) and women (black circles, n=44). Whole blood flow cytometry was used, platelet activation was measured by PE-conjugated P-selectin antibody and FITC-conjugated monoclonal antibody PAC-1 which binds to activated $\alpha_{IIb}\beta_3$. Scatter plots and medians show the effect of vehicle (hepes), ADP (1 and 10 nM), thrombin (0.1 and 1 nM) and convulxin (0.5 and 50 ng/ml) on activation of $\alpha_{IIb}\beta_3$ (A) and expression of P-selectin (B) on the platelet surface.

Supplemental Figure 3. The concentrations of platelet-derived proteins in platelet free plasma (PFP) does not significantly differ between genders. Concentrations of PF4 (A), CTAPIII (B), TSP-1 (C), PDGF (D) and VEGF (E) were determined with ELISA's in platelet free plasma of healthy men (n=50) and women (n=44). Data are presented as scatter plots with a median.

Supplemental figure 1



Supplemental figure 2



Supplemental figure 3