

Supplementary material

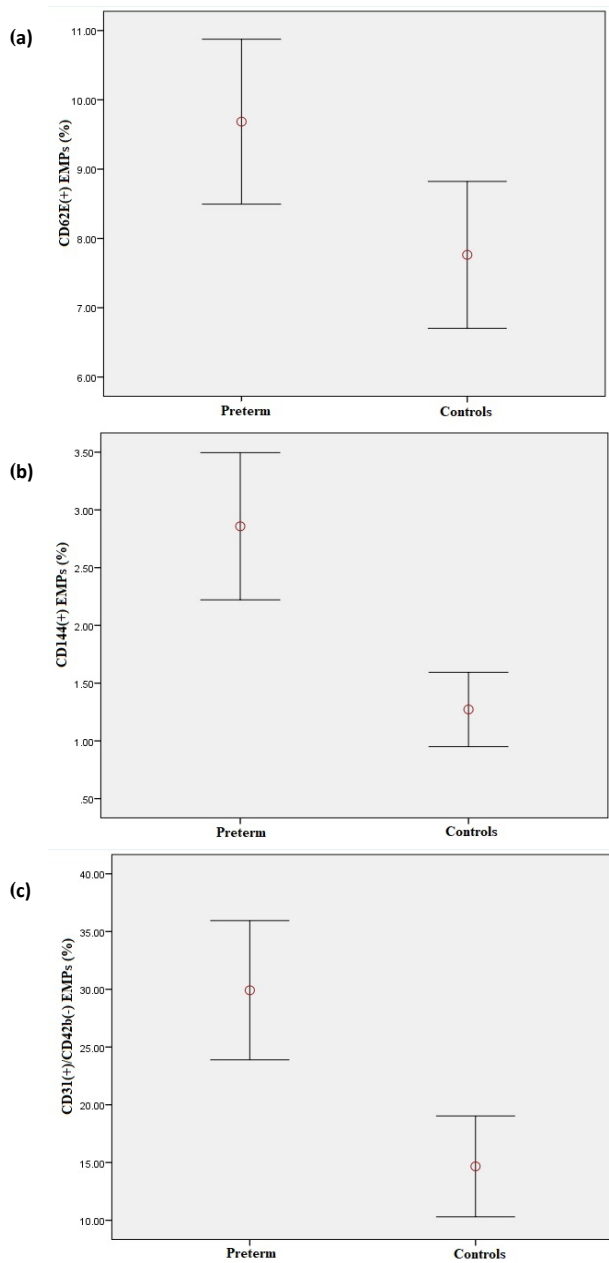


Figure S1. Circulating CD62E(+), CD144(+) and CD31(+)/CD42b(-) endothelial microparticles (EMPs) in preterm-born children compared to controls. Mean values of CD62E(+) (a), CD144(+) (b), and CD31(+)/42b(-) EMPs (c) in children born prematurely and controls. Error bars represent standard error of mean.

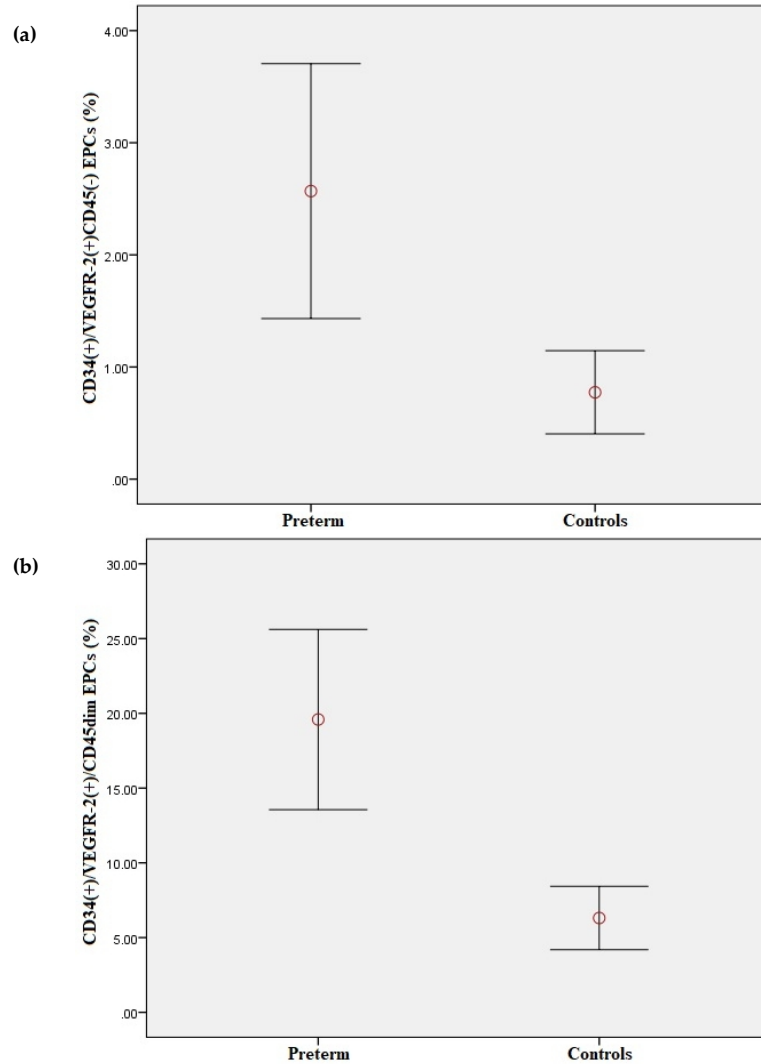


Figure S2. Circulating CD34(+)/VEGFR-2(+)/CD45(-) (a) and CD34(+)/VEGFR-2(+)/CD45dim (b) endothelial progenitor cells (EPCs) in preterm-born children compared to controls. Mean values of CD34(+)/VEGFR-2(+)/CD45(-) and CD34(+)/VEGFR-2(+)/CD45dim EPCs in children born prematurely and controls. Error bars represent standard error of mean.

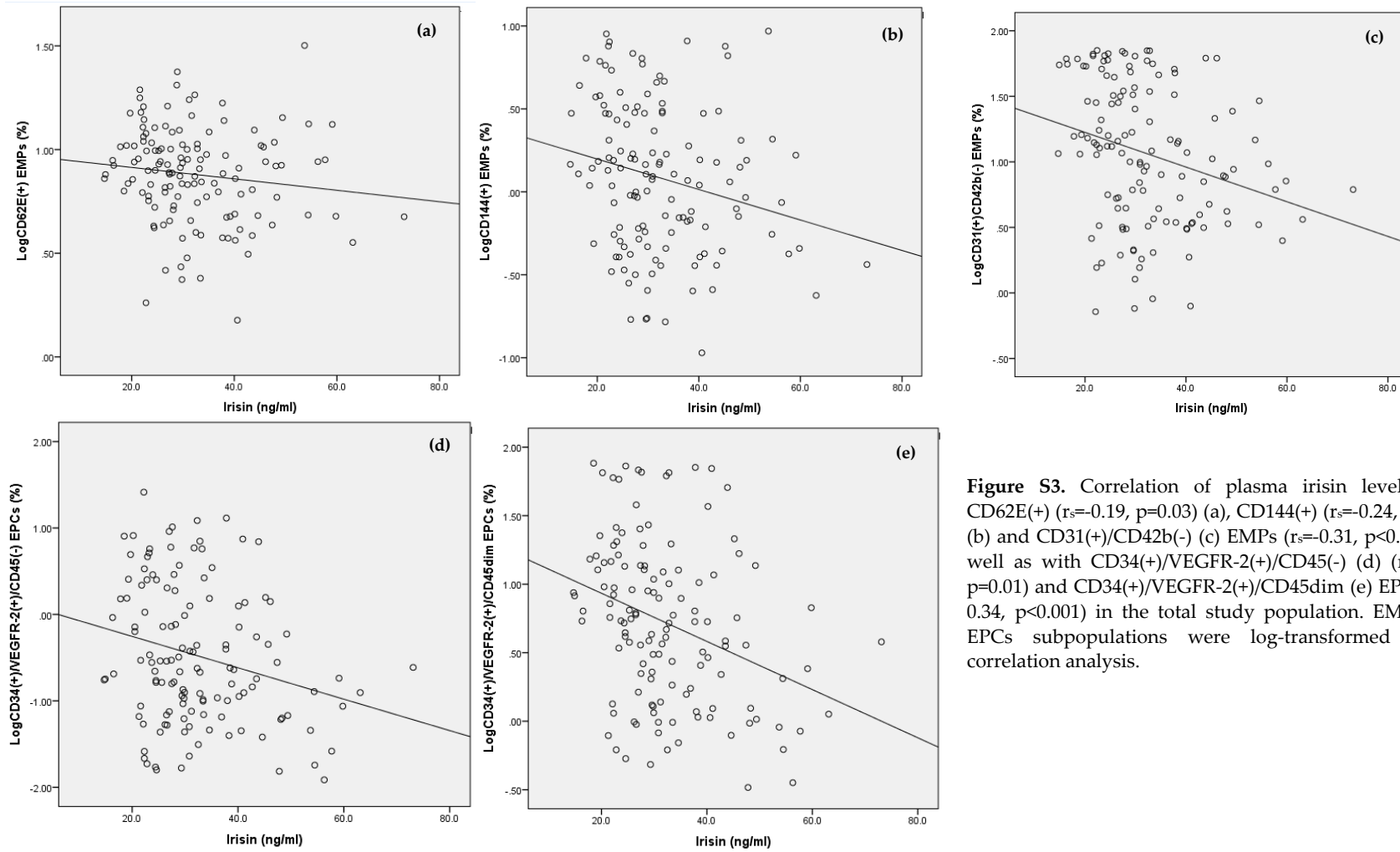


Figure S3. Correlation of plasma irisin levels with CD62E(+) ($r_s=-0.19$, $p=0.03$) (a), CD144(+) ($r_s=-0.24$, $p=0.01$) (b) and CD31(+)/CD42b(-) (c) EMPs ($r_s=-0.31$, $p<0.001$), as well as with CD34(+)/VEGFR-2(+)/CD45(-) (d) ($r_s=-0.23$, $p=0.01$) and CD34(+)/VEGFR-2(+)/CD45dim (e) EPCs ($r_s=-0.34$, $p<0.001$) in the total study population. EMPs and EPCs subpopulations were log-transformed before correlation analysis.

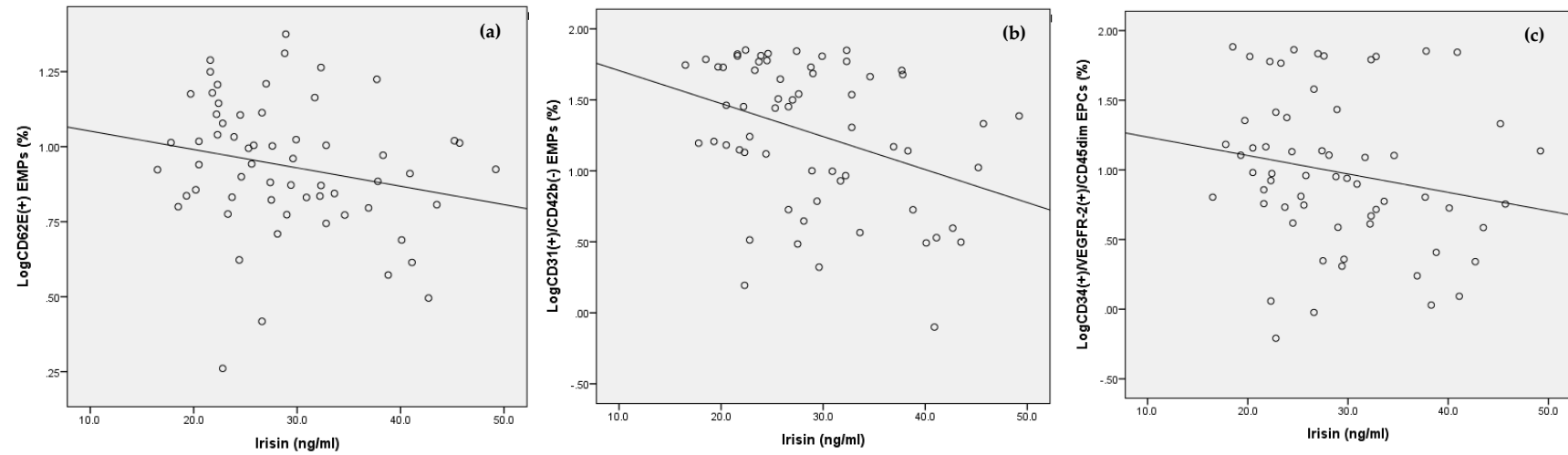


Figure S4. Correlation of plasma irisin levels with CD62E(+) (a) ($r_s=-0.27$, $p=0.03$) and CD31(+)/CD42b(-) (b) EMPs ($r_s=-0.36$, $p=0.004$), as well as with CD34(+)/VEGFR-2(+)/CD45dim (c) EPCs ($r_s=-0.26$, $p=0.04$) in the preterm-born population. EMPs and EPCs subpopulations were log-transformed before correlation analysis.