

**Supplementary Table 1 – P-values for sex interactions in associations between endogenous progestogens and estrogens with glycemic traits and glycemic deterioration in the KORA F4/FF4 study.**

	P-value for sex interaction			
	17-OHP	Progesterone	E2	Free E2
Fasting glucose	0.095	0.445	0.306	0.139
2h-glucose	0.829	0.860	0.799	0.506
HbA <sub>1c</sub>	0.545	0.929	0.714	0.051
Fasting insulin	<b>0.004</b>	0.149	<b>0.027</b>	<b>0.008</b>
QUICKI	<b>0.005</b>	0.104	<b>0.036</b>	<b>0.007</b>
Glycemic deterioration	0.152	0.412	0.621	0.547

*P-values for interaction between sex and sex hormones on continuous glycemic outcomes in cross-sectional linear regression models and glycemic deterioration in prospective logistic regression models. Adjusted for baseline age, waist circumference, height, triglycerides, total cholesterol/HDL-cholesterol ratio, hypertension, statin use (model 1), smoking, alcohol consumption, physical activity, CRP, eGFR, TSH, and parental diabetes history (model 2). Sex interaction was entered as a multiplicative term in model 2.*