

Supplementary Table 6 – P-values for interaction terms between 17-OHP and progesterone in multivariate linear regression models examining associations between sex hormones and glycemic traits in men and women of the KORA F4/FF4 cohort

T2D-related Traits	P for interaction between 17-OHP & progesterone		
	Men	Women	Women**
Fasting Glucose	-	0.882	0.351
2h-glucose	0.510	-	-
HbA_{1c}	-	-	0.733***
Fasting Insulin	0.002	-	-
QUICKI	0.008	-	-

All results are from a multivariate linear regression*. Interactions between 17-OHP and progesterone were examined by adding a multiplicative term into model 2. Interactions were calculated only for significant associations between exposure and respective outcomes. *Adjusted for baseline age, waist circumference, height, triglycerides, total cholesterol/HDL-cholesterol ratio, hypertension, statin use, smoking, alcohol consumption, physical activity, CRP, eGFR (creatinine-based), TSH, and parental diabetes history. **Sensitivity analyses performed where perimenopausal women (n = outcome specific) were excluded. ***Interaction analysis performed due to significant associations between progesterone and HbA_{1c} upon exclusion of perimenopausal women (n = 66). Significant results are printed in bold. Abbreviations: 17-OHP: 17 α -hydroxyprogesterone, CRP: C-reactive protein, eGFR: Estimated glomerular filtration rate, SHBG: Sex hormone-binding globulin, TSH: Thyroid-stimulating hormone.