

Table S1. The results of univariate logistic regression models.

Parameter Analyzed effect	CA 125		PRL		IgG		hs-CRP		IL-1 β		IL-6		YKL-40	
	OR (95%)	<i>p</i> -value	OR (95%)	<i>p</i> -value	OR (95%)	<i>p</i> -value	OR (95%)	<i>p</i> -value	OR (95%)	<i>p</i> -value	OR (95%)	<i>p</i> -value	OR (95%)	<i>p</i> -value
E vs. C	1.219 (1.074–1.383)	0.002	1.141 (1.037–1.255)	0.007	0.998 (0.995–1.00)	0.051	1.284 (0.927–1.778)	0.133	12.079 (1.212–120.408)	0.034	1.462 (0.953–2.244)	0.082	1.002 (0.999–1.006)	0.187
III E vs. C	1.198 (1.060–1.354)	0.004	1.136 (1.026–1.258)	0.014	0.999 (0.996–1.001)	0.326	1.252 (0.898–1.746)	0.186	7.837 (0.617–99.551)	0.112	1.415 (0.926–2.164)	0.109	1.002 (0.999–1.004)	0.252
IV E vs. C	1.239 (1.008–1.524)	0.042	1.174 (1.035–1.332)	0.013	0.996 (0.993–0.99)	0.016	1.393 (0.912–2.129)	0.125	15.435 (1.269–187.794)	0.032	1.443 (0.938–2.220)	0.096	1.003 (0.999–1.007)	0.130
E vs. NE	1.071 (1.029–1.114)	0.001	0.998 (0.972–1.024)	0.855	1.000 (0.998–1.001)	0.686	1.001 (0.976–1.026)	0.928	0.987 (0.319–3.050)	0.982	0.999 (0.986–1.013)	0.930	1.000 (1.000–1.001)	0.597
III E vs. NE	1.063 (1.020–1.108)	0.004	1.000 (0.969–1.032)	0.995	1.001 (0.999–1.003)	0.524	0.938 (0.872–1.008)	0.081	0.560 (0.119–2.641)	0.464	0.970 (0.928–1.013)	0.173	1.00 (1.000–1.001)	0.162
IV E vs. NE	1.076 (1.027–1.127)	0.002	0.995 (0.965–1.027)	0.769	0.999 (0.997–1.001)	0.220	1.023 (0.996–1.051)	0.102	1.426 (0.412–4.937)	0.576	1.006 (0.992–1.020)	0.430	1.000 (0.999–1.001)	0.429
E vs. C+NE	1.089 (1.046–1.133)	<0.001	1.015 (0.990–1.041)	0.228	0.999 (0.997–1.001)	0.225	1.015 (0.990–1.040)	0.241	1.687 (0.584–4.870)	0.334	1.004 (0.991–1.018)	0.510	1.000 (1.000–1.001)	0.212

Statistically significant data (*p*-value of less than 0.05) are shown in red bold. C – control group, E – endometriosis group, III E – moderate group of endometriosis (stage III according to rAFS classification), IV E – severe group of endometriosis (stage IV according to rAFS classification), NE – non-endometriosis group OR – Odds Ratio.

Table S2. Backward stepwise regression after verification of the collinearity of the predictors (parameters).

Parameters	Odds Ratio (OR)	95% Confidence Interval (CI)	<i>p</i> -value
E vs. C			
CA 125	1.280	1.085 – 1.511	0.004
III E vs. C			
CA 125	1.388	1.030 – 1.869	0.031
hs-CRP	1.978	0.803 – 4.872	0.138
IV E vs. C			
CA 125	1.239	1.008 – 1.524	0.042
E vs. NE			
CA 125	1.075	1.031 – 1.122	0.001
III E vs. NE			
CA 125	1.080	1.024 – 1.140	0.005
IL-6	0.969	0.924 – 1.015	0.183
IV E vs. NE			
CA 125	1.102	1.033 – 1.176	0.003
PRL	0.891	0.796 – 0.998	0.047
E vs. C+NE			
CA 125	1.094	1.048 – 1.142	<0.001

Statistically significant data (*p*-value of less than 0.05) are shown in red bold. C – control group, E – endometriosis group, III E – moderate group of endometriosis (stage III according to rAFS classification), IV E – severe group of endometriosis (stage IV according to rAFS classification), NE – non-endometriosis group OR – Odds Ratio.