Supplementary File 7A. Sensitivity analysis for CA125

Excluding study	SMD	95%CI	I^2 (%)	*p*-value
An 2022	-1.19	-2.02, -0.35	94	<0.00001
Pang 2022	-1.69	-2.69, -0.69	96	<0.00001
Shi 2023	-1.57	-2.67, -0.46	96	<0.00001
Xue 2023	-1.46	-2.56, -0.37	96	<0.00001
Zhang 2021	-1.67	-2.69, -0.66	96	<0.00001
Zhang 2023	-1.19	-2.05, -0.34	95	<0.00001
Zhou 2021	-1.69	-2.69, -0.69	96	<0.00001

SMD=Standardized Mean Difference, CI=confidence interval

Supplementary File 7B. Sensitivity analysis for the dysmenorrhea

Excluding study	MD	95%CI	I^2 (%)	*p*-value
An 2022	-0.42	-0.96, 0.13	96	<0.00001
Dong 2024	-0.74	-1.19, -0.29	94	<0.00001
Pang 2022	-0.56	-1.13, 0.02	97	<0.00001
Peng 2021	-0.55	-1.26, 0.16	96	<0.00001
Shi 2023	-0.63	-1.25, -0.01	96	<0.00001
Xu 2019	-0.71	-1.24, -0.17	96	<0.00001
Xue 2023	-0.55	-1.12, 0.03	97	<0.00001
Yi 2024	-0.53	-1.09, 0.03	97	<0.00001
Yu 2017	-0.35	-0.87, 0.18	96	<0.00001
Zhang 2023	-0.42	-0.96, 0.13	96	<0.00001

MD=Mean Difference, CI=confidence interval