

Table S1 Comparison of the TNF- α concentration between the two groups at different postoperative time points ($\bar{x}\pm s$, n=15)

Group	Postoperative time points				Postoperative time points				F, P	Q, P
	3 h	24 h	48 h	72 h	4 d	5 d	6 d	7 d		
Study group	212.91 \pm 38.08	276.13 \pm 30.01	279.35 \pm 29.52	275.08 \pm 31.17	271.67 \pm 28.62	259.77 \pm 38.25	250.69 \pm 28.83	243.56 \pm 43.99	7.241, 0.000	Q ₁₁₋₆ =3.990, <0.05
Control group	247.83 \pm 48.71	299.87 \pm 31.13	309.18 \pm 35.20	305.47 \pm 37.62	300.78 \pm 31.14	296.39 \pm 41.13	289.65 \pm 31.73	285.06 \pm 38.20	3.909, 0.000	Q ₁₁₋₆ =2.485, >0.05
t	-2.187	-2.126	-2.515	-2.409	-2.666	-2.525	-3.520	-2.759		
P	0.037	0.042	0.018	0.023	0.013	0.018	0.002	0.010		

The SNK-q test was performed for comparisons within the same group at different time points.

Table S2 Comparison of the VEGF concentration between the two groups at different postoperative time points ($\bar{x}\pm s$, n=15)

Group	Postoperative time points				Postoperative time points				F, P	Q, P
	3 h	24 h	48 h	72 h	4 d	5 d	6 d	7 d		
Study group	380.11 \pm 113.25	529.69 \pm 124.91	601.15 \pm 97.98	629.24 \pm 101.38	605.74 \pm 121.63	558.31 \pm 113.27	477.87 \pm 117.91	428.16 \pm 104.35	9.265, 0.000	Q ₁₁₋₇ =6.974, <0.05
Control group	474.87 \pm 108.37	713.47 \pm 110.20	708.42 \pm 129.15	688.37 \pm 105.37	689.98 \pm 110.03	655.28 \pm 97.63	601.28 \pm 100.39	564.59 \pm 119.92	7.042, 0.000	Q ₁₁₋₅ =5.169, <0.05
t	-2.341	-4.273	-2.563	-1.566	-1.989	-2.512	-3.087	-3.324		
P	0.027	0.000	0.016	0.129	0.057	0.018	0.005	0.003		

The SNK-q test was performed for comparisons within the same group at different time points.

Table S3 Comparison of the IL-1 concentration between the two groups at different postoperative time points ($\bar{x}\pm s$, n=15)

Group	Postoperative time points				Postoperative time points				F, P	Q, P
	3 h	24 h	48 h	72 h	4 d	5 d	6 d	7 d		
Study group	53.81 \pm 20.32	71.66 \pm 14.72	70.63 \pm 13.22	71.01 \pm 15.35	77.85 \pm 12.11	81.34 \pm 14.39	84.41 \pm 16.31	80.62 \pm 14.77	6.455, 0.000	Q ₁₁₋₁₀ =0.923, >0.05
Control group	75.12 \pm 13.45	83.97 \pm 14.73	87.73 \pm 9.98	95.34 \pm 19.77	95.23 \pm 14.36	101.35 \pm 19.53	97.03 \pm 17.01	89.89 \pm 13.83	4.105, 0.000	Q ₁₁₋₉ =2.736, >0.05
t	-3.387	-2.289	-3.998	-3.765	-3.583	-3.195	-2.074	-1.774		
P	0.002	0.030	0.000	0.001	0.001	0.004	0.047	0.087		

The SNK-q test was performed for comparisons within the same group at different time points.

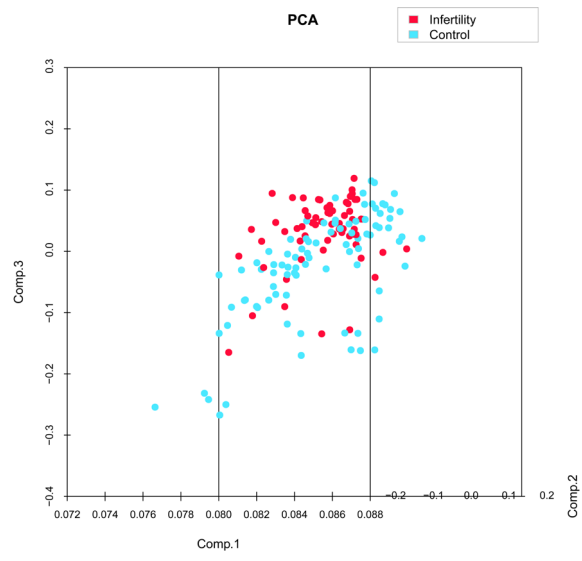


Figure S1 PCA plot of the data for each group.