

Supplemental Table 1. Patient Population Characteristics.

Group	Average Age	n (%)
Healthy	45 (28-71)	70 (100)
Ovarian cancer	55 (23-80)	173 (100)
FIGO stage		
Stage I		5 (2.9)
Stage II		19 (11.0)
Stage III		34 (19.7)
Stage IV		21 (12.1)
Grade		
Grade 1		11 (6.4)
Grade 2/3		67 (38.7)
Metastases		
Yes		63 (36.4)
No		110 (63.6)

Abbreviation: FIGO, The International Federation of Gynecology and Obstetrics.

Supplemental Table 2 Overview the WBC parameters, NLR and some normal cancer screening tumor markers for 173 epithelial ovarian cancer patients.

	Number of samples	Mean	Median	Range
Neutrophil (x10 ⁹ /L)	173	4.58	4.20	0.54-14.86
Lymphocyte (x10 ⁹ /L)	173	1.64	1.65	0.34-5.45
Monocyte (x10 ⁹ /L)	173	0.42	0.39	0.02-1.36
NLR	173	3.33	2.61	0.40-22.57
CA125 (U/mL)	173	944.90	410.80	3.45-21269.00
SCC (μg/L)	168	0.85	0.60	0.20-11.30
CEA (μg/L)	170	4.90	1.27	0.20-211.20
HCG (mIU/mL)	168	4.35	1.37	0.10-235.20
AFP (ng/mL)	167	9.36	2.51	0.61-1004.00
CA242 (U/mL)	99	93.08	6.23	0.58-3604.87
CA72-4 (U/mL)	84	64.83	6.58	0.41-2256.00
CA19-9 (U/mL)	82	202.50	9.75	0.60-13987.00

Supplemental Table 3 Comparison of pathological characteristics between high CA125 concentrations and low CA125 concentrations in epithelial ovarian cancer patients.

Characteristic	CA125 ≤ 35U/ml (n = 21)	CA125 > 35U/ml (n = 152)	<i>P</i> value
Grade			
Grade 1	2 (9.5)	6 (3.9)	0.235
Grade 2/3	6 (28.6)	69 (45.4)	
Unknown	13 (61.9)	77 (50.7)	
FIGO stage			
Stage I / II	3 (14.3)	18 (11.8)	0.134
Stage III/IV	3 (14.3)	55 (36.2)	
Unknown	15 (71.4)	79 (52.0)	
Metastases			
Yes	4 (19.0)	59 (38.8)	0.078
No	17 (81.0)	93 (61.2)	

Supplemental Table 4 Baseline data of the subjected patients.

Parameters	Healthy People Group (n = 70)	Low CA125 Group (n = 21)	High CA125 Group (n = 152)
Age (years)	45.00 (28-71)	54.50 (23-71)	55.00 (24-80)
CA125 (U/mL)	16.38 (1.56-33.84)	15.88 (3.45-61.67)	534.40 (40.04-21269.00)
Neutrophil ($\times 10^9/L$)	3.00 (1.00-5.80)	3.31 (1.78-8.89)	4.32 (0.54-14.86)
Lymphocyte ($\times 10^9/L$)	2.00 (0.70-4.20)	1.87 (0.65-2.81)	1.61 (0.34-5.45)
NLR	1.52 (0.33-3.08)	1.84 (1.01-4.35)*	2.77 (0.40-22.57)