Supplementary Table 1 Correlation analysis of clinicopathologic parameters with OPNI

Factor	OPNI		$\chi2$	P-value
	≥ 51.30	< 51.30		
Age/year			<0.001	0.982
≤60	60	50		
>60	68	57		
Gender			0.735	0.391
Male	61	57		
Female	67	50		
Primary site			12.768	**<0.001**
Gastric	111	72		
Non-gastric	17	35		
Predominant cell type			1.779	0.411
Spindle	109	97		
Epithelioid	11	5		
Mixed	8	5		
Necrosis			21.609	**<0.001**

Yes	20	46		
No	108	61		
Tumor rupture			9.581	**0.002**
Yes	1	10		
No	127	97		
Risk classification			83.351	**<0.001**
Very low risk	52	6		
Low risk	52	25		
Intermediate risk	13	28		
High risk	11	48		

Supplementary Table 2 Correlation analysis of clinicopathologic parameters with NLR

Factor	NLR		χ^2	P-value
	<4.34	≥ 4.34		
Age/year			2.980	0.084
≤60	92	18		
>60	93	31		
Gender			3.530	0.06
Male	87	31		
Female	98	19		
Primary site			5.195	0.023
Gastric	150	33		
Non-gastric	35	17		
Predominant cell type			0.370	0.831
Spindle	161	45		
Epithelioid	13	3		
Mixed	11	2		

Necrosis			6.089	0.014
Yes	45	21		
No	140	29		
Tumor rupture			12.363	<0.001
Yes	4	7		
No	181	43		
Risk classification			25.670	<0.001
Very low risk	52	6		
Low risk	67	10		
Intermediate risk	33	8		
High risk	33	26		

Supplementary Table 3 Correlation analysis of clinicopathologic parameters with PLR

Factor	PLR		χ^2	P-value
	< 220.76	≥ 220.76		
Age/year			0.212	0.645
≤60	78	32		
>60	92	33		
Gender			0.474	0.491
Male	83	35		
Female	87	30		
Primary site			7.161	0.007
Gastric	140	43		
Non-gastric	30	22		
Predominant cell type			0.838	0.658
Spindle	150	56		
Epithelioid	12	4		
Mixed	8	5		

Necrosis			6.316	0.012
Yes	40	26		
No	130	39		
Tumor rupture			1.826	0.177
Yes	6	5		
No	164	60		
Risk classification			45.088	<0.001
Very low risk	52	6		
Low risk	67	10		
Intermediate risk	26	15		
High risk	25	34		

Supplementary Table 4 Correlation analysis of clinicopathologic parameters with Ki-67 index

Factor	Ki-67 index		χ^2	P-value
	< 2.5%	≥ 2.5%		
Age/year			0.970	0.325
≤60	59	51		
>60	59	66		
Gender			0.720	0.396
Male	56	62		
Female	62	55		
Primary site			8.199	0.004
Gastric	101	82		
Non-gastric	17	35		
Predominant cell type			7.176	0.028
Spindle	109	97		
Epithelioid	7	9		
Mixed	2	11		

Necrosis				8.666	0.003
Yes	23	43			
No	95	74			
Tumor rupture				0.885	0.347
Yes	4	7			
No	114	110			
Risk classification				17.439	0.001
Very low risk	41	17			
Low risk	38	39			
Intermediate risk	20	21			
High risk	19	40			

Supplementary Table 5 ROC analyses for Albumin and Lymphocyte count

	Albumin	Lymphocyte count
Cut-off point	38.95	0.975
Sensitivity% (95% CI)	65.00% (40.78% to 84.61%)	50.00% (27.20% to 72.80%)
Specificity% (95% CI)	84.65% (79.13% to 89.19%)	80.47% (74.53% to 85.54%)
Youden Index	0.497	0.305
AUC (95% CI)	0.784	0.629
P-value	<0.001	0.057