

## Retrieval strategy

((((((((((((((((((("Stomach Neoplasms"[Mesh]) OR (Stomach Neoplasms[Title/Abstract])) OR (Neoplasm, Stomach[Title/Abstract])) OR (Stomach Neoplasm[Title/Abstract])) OR (Neoplasms, Stomach[Title/Abstract])) OR (Gastric Neoplasms[Title/Abstract])) OR (Gastric Neoplasm[Title/Abstract])) OR (Neoplasm, Gastric[Title/Abstract])) OR (Neoplasms, Gastric[Title/Abstract])) OR (Cancer of Stomach[Title/Abstract])) OR (Stomach Cancers[Title/Abstract])) OR (Gastric Cancer[Title/Abstract])) OR (Cancer, Gastric[Title/Abstract])) OR (Cancers, Gastric[Title/Abstract])) OR (Gastric Cancers[Title/Abstract])) OR (Stomach Cancer[Title/Abstract])) OR (Cancer, Stomach[Title/Abstract])) OR (Cancers, Stomach[Title/Abstract])) OR (Cancer of the Stomach[Title/Abstract])) AND ((Systemic inflammatory response index[Title/Abstract]) OR (SIRI[Title/Abstract]))

**Supplementary Table 1 Univariate and multivariate Cox regression analyses for disease-free survival in patients with robotic gastrectomy**

Variables		Univariate analysis			Multivariate analysis		
		OR	95%CI	P	OR	95%CI	P
Gender	Male /Female	0.583	0.276-1.232	0.158			
Age (y)		1.033	1.002-1.064	<b>0.034</b>	1.054	1.018-1.091	<b>0.003</b>
Underlying disease	No/Yes	2.124	1.214-3.717	<b>0.008</b>	1.882	1.013-3.495	<b>0.045</b>
BMI		0.335	0.961-1.124	0.129			
Tumour location				0.965			
	Upper third	Ref					
	Middle third	0.918	0.291-2.895	0.885			
	Lower third	1.038	0.467-2.304	0.927			
Tumor dimensions (cm)	< 3 /≥3	1.962	0.990-3.889	0.054			
Differentiation	Moderate and poor /Well	0.047	0.001-16.149	0.304			
TNM stage				< <b>0.001</b>			<b>0.003</b>
	I	Ref			Ref		
	II	3.77	0.269-9.609	0.082	1.571	0.280-8.631	0.608
	III	6.509	1.091-8.845	0.001	6.724	1.127-40.128	0.037
Operation	Subtotal gastrectomy /Total gastrectomy	1.47	0.861-2.509	0.158			
ASA	I-II/III-IV	1.662	0.814-3.393	0.163			

Perioperative transfusion	No/Yes	1.56	0.875-2.782	0.131				
Blood loss (ml)	> 200ml/≤ 200ml	1.836	1.084-3.110	<b>0.024</b>	1.47	0.832-2.597	0.184	
Operation time (minutes)		1.003	0.999-1.006	0.138				
CA199 (ng/mL)	Negative/Postive	1.036	0.523-2.050	0.92				
CEA (ng/mL)	Negative/Postive	2.982	1.757-5.062	< <b>0.001</b>	1.452	0.805-2.617	0.215	
Postoperative complication	No/Yes	6.07	3.392-10.863	< <b>0.001</b>	9.878	4.595-21.233	< <b>0.001</b>	
Postoperative chemotherapy	No/Yes	1.955	1.032-3.703	<b>0.04</b>	1.065	0.515-2.201	0.866	
P53	Wild/Mutant	0.832	0.483-1.435	0.509				
Ki-67				0.979				
	0%-49%	Ref						
	50%-74%	0.996	0.335-2.961	0.994				
	75%-100%	1.055	0.375-2.964	0.92				
Her-2	Negative/Postive	0.205	0.028-1.480	0.116				
Lymph node metastasis rate (%)	< 4.6%/≥4.6%	4.267	2.102-9.149	< <b>0.001</b>	0.923	0.315-2.708	0.884	
Enteral nutrition time		1.017	0.949-1.189	0.631				
Length of hospitalization (days)		1.023	0.981-1.067	0.291				
SIRI	≤1.38/ > 1.38	8.884	4.735-15.070	< <b>0.001</b>	6.406	3.370-12.178	< <b>0.001</b>	

The bold numbers in the tables are P-values with statistical significance (<

0.05).

DFS: Disease-free survival, BMI: Body mass index, ASA: American society of anesthesiology, CA199: Carbohydrate antigen 199, CEA: Carcinoembryonic antigen, SIRI: Systemic inflammation response index.