

Supplemental Table 1. Univariable and multivariable analyses of risk factors for overall and severe complications

Variables	Overall complication			Severe complication		
	Overall complication		<i>P</i> value	Severe complication		<i>P</i> value
	(%)	UA	MA	(%)	UA	MA
Sex		0.050	0.164		0.508	
Male	72 (13.7)			18 (3.4)		
Female	17 (8.4)			5 (2.5)		
Age		< 0.001	0.002		0.782	
< 70	70 (10.6)			20 (3.0)		
≥ 70	19 (28.4)			3 (4.5)		
BMI (kg/m ²)		0.072	0.107		0.068	0.082
< 25	65 (11.2)			15 (2.6)		
≥ 25	24 (16.7)			8 (5.6)		
Comorbidity		0.077	0.469		0.255	
No	64 (11.1)			16 (2.8)		
Yes	25 (16.4)			7 (4.6)		
Previous abdominal surgery		0.110			0.965	
No	77 (11.6)			21 (3.2)		
Yes	12 (13.5)			2 (3.1)		
Type of gastrectomy		0.008	0.170		0.106	
RDG	53 (10.2)			13 (2.5)		
RTG	36 (17.4)			10 (4.8)		
pTNM stage		0.840			0.926	
I-II	58 (12.1)			15 (3.1)		
III	31 (12.6)			8 (3.3)		
Retrieved lymph nodes		0.981			0.369	
≤ 30	50 (12.3)			15 (3.7)		
> 30	39 (12.2)			8 (2.5)		
Operation time (min)		0.094	0.214		0.927	
≤ 260	36 (10.2)			11 (3.1)		
> 260	53 (14.2)			12 (3.2)		
Tumor size (cm)		0.143			0.734	

Variables	No. of patients	Overall complication	Severe complication
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< 5	67 (11.4)		18 (3.1)	
≥ 5	22 (15.9)		5 (3.6)	
Multiorgan resection		0.060	0.123	0.494
No	85 (11.9)		23 (3.2)	
Yes	4 (28.6)		0 (0.0)	
Surgeons' experience (cases)		0.026	0.013	0.017
≤ 25	19 (17.4)		8 (7.3)	0.010
> 25	70 (11.3)		15 (2.4)	

UA: Univariable analysis; MA: Multivariable analysis.

	<i>n</i> (%)	<i>P</i>	<i>n</i> (%)	<i>P</i>
Sex		0.020		0.107
Male	93 (15.5)		29 (4.8)	
Female	20 (9.2)		5 (2.5)	
Age		< 0.001		0.007
< 70	84 (11.4)		26 (3.5)	
≥ 70	29 (35.4)		8 (9.8)	
		0.204		0.178
< 25	85 (13.1)		24 (3.7)	
≥ 25	28 (16.9)		10 (6.0)	
Comorbidity		0.064		0.122
No	81 (12.7)		23 (3.6)	
Yes	32 (18.1)		11 (6.2)	
Previous abdominal surgery		0.203		0.594
No	99 (13.3)		30 (4.0)	
Yes	14 (18.7)		4 (5.3)	
Type of gastrectomy		0.054		0.127
RDG	71 (12.3)		20 (3.5)	
RTG	42 (17.4)		14 (5.8)	
pTNM stage		0.555		0.636
I-II	68 (13.3)		20 (3.9)	
III	45 (14.8)		14 (4.6)	
		0.588		1.000
< D2	5 (17.2)		1 (2.9)	
D2 or D2+	108 (13.7)		33 (4.2)	
Retrieved lymph nodes		0.704		0.570
< 30	67 (14.2)		18 (3.8)	
≥ 30	46 (13.3)		16 (4.6)	
Operation time (min)		0.408		0.656
≤ 260	50 (12.8)		15 (3.8)	
> 260	63 (14.8)		19 (4.5)	
Tumor size (cm)		0.109		0.876
< 5	82 (12.8)		27 (4.0)	

≥ 5	31 (17.5)	7 (4.2)	
Multiorgan resection		0.013	0.232
Yes	7 (31.8)	2 (9.1)	
No	106 (13.3)	32 (4.0)	
Cholecystectomy		0.804	1.000
Yes	2 (22.2)	0 (0.0)	
No	111 (13.7)	34 (4.2)	
Surgeons' experience (cases)		0.059	0.005
≤ 25	24 (19.2)	11 (8.8)	
> 25	89 (12.9)	23 (2.3)	

Supplemental Table 2. Univariable and multivariable analyses of risk factors for local and systemic complications

Variables	Local complication			Systemic complication		
	Local complication (%)	P value		Systemic complication (%)	P value	
		UA	MA		UA	MA
Sex		0.717			0.030	0.078
Male	35 (6.7)			38 (7.3)		
Female	12 (5.9)			6 (3.0)		
Age		0.030	0.368		0.003	< 0.001
< 70	38 (5.8)			34 (5.2)		
≥ 70	9 (13.4)			10 (14.9)		
BMI (kg/m ²)		0.617			0.001	0.006
< 25	39 (6.7)			27 (4.6)		
≥ 25	8 (5.6)			17 (11.8)		
Comorbidity		0.495			< 0.001	0.018
No	39 (6.8)			25 (4.4)		
Yes	8 (5.3)			19 (12.5)		
Previous abdominal surgery		0.140			0.262	
No	40 (6.1)			38 (5.7)		
Yes	7 (10.8)			6 (9.2)		
Type of gastrectomy		0.124			0.125	

RDG	29 (5.6)			27 (5.2)		
RTG	18 (8.7)			17 (8.2)		
pTNM stage		0.732			0.765	
I-II	30 (6.3)			30 (6.3)		
III	17 (6.9)			14 (5.7)		
Retrieved lymph nodes		0.309			0.296	
≤ 30	23 (5.7)			28 (6.9)		
> 30	24 (7.5)			16 (5.0)		
Operation time (min)		0.379			0.166	
≤ 260	20 (5.6)			17 (4.8)		
> 260	27 (7.3)			27 (7.3)		
Tumor size (cm)		0.457			0.009	0.097
< 5	40 (6.8)			29 (4.9)		
≥ 5	7 (5.1)			15 (10.9)		
Multiorgan resection		0.022	0.316		0.864	
No	44 (6.2)			43 (6.0)		
Yes	3 (21.4)			1 (7.1)		
Surgeon's experience (cases)		0.037	0.033		0.544	
≤ 25	12 (11.0)			8 (7.3)		
> 25	35 (5.7)			36 (5.8)		

UA: Univariable analysis; MA: Multivariable analysis.