

Supplementary material

Supplementary Figure 1. Distribution of the location of patients with gastric cancer in the present study



Supplementary Table 1. Detailed *p*-values of pairwise comparison of clinical features among the three anatomical subsites of gastric cancer

Variables		<i>p</i> (Total)	<i>p</i> (Cardia & Body)	<i>p</i> (Cardia & Antrum)	<i>P</i> (Body & Antrum)
Basic information	Gender	<0.001	<0.001	<0.001	0.001
	Three age groups	<0.001	<0.001	<0.001	<0.001
	Patient source	<0.001	0.29	<0.001	<0.001
Complications	Hypertension	<0.001	<0.001	<0.001	0.005
	Diabetes	0.03	0.018	0.04	0.427
	GERD*	<0.001	<0.001	<0.001	0.581
	Cerebrovascular disease	0.01	0.054	0.004	0.745

Coronary disease	<0.001	0.004	<0.001	0.791
Obstruction	<0.001	0.097	<0.001	<0.001
Anemia	0.009	0.003	0.049	0.142
Hypoproteinaemia	0.005	0.001	0.03	0.138

* GERD=gastroesophageal reflux disease

Supplementary Table 2. Features of hospitalization costs among the three anatomical subsites of gastric cancer

Variables	Cardia	Body	Antrum	p-Value
Cost (thousand CNY)	50.33±50.68 (48.69, 51.97)	59.25±54.58 (56.98, 61.53)	78.41±54.69 (76.83, 79.98)	<0.001
Among: Surgery (thousand CNY)	17.86±22.69 (17.12, 18.62)	23.88±24.05 (22.87, 24.89)	30.84±20.43 (30.24, 31.43)	<0.001

Supplementary Table 3. P-values obtained through pairwise comparisons of hospitalization features among the three anatomical subsites of gastric cancer

Variables	<i>p</i> (Total)	<i>p</i> (Cardia & Body)	<i>p</i> (Cardia & Antrum)	<i>p</i> (Body & Antrum)
Admission route	0.007	0.002	0.121	0.038
Hospitalization Stay	<0.001	0.015	<0.001	<0.001
Cost	<0.001	<0.001	<0.001	<0.001
Among: Surgery	<0.001	<0.001	<0.001	<0.001

Supplementary Table 4. Features of hospitalization clinical outcomes and p-values among the three anatomical subsites of gastric cancer

Variables		Cardia			p(Total)	p(Cardia & Body)	p(Cardia & Antrum)	p(Body & Antrum)
		N=367	Body N=1972	Antrum N=4602				
		N'=184	N'=1200	N'=3700				
		9						
Clinical Outcomes	In-hospital death	37 (1.01%)	13 (0.66%)	33 (0.72%)	0.243	0.183	0.152	0.797
	Postoperative complications	158 (8.55%)	109 (9.08%)	324 (8.76%)	0.876	0.608	0.792	0.729

N: all the cases involved; N': cases under surgical operations

Supplementary Table 5. Comparison of features of gastric cancer patients among the three regions in China

Region		Northern China	Northwest China	Southwest China
Author/Year		This article	Zhou 2008	Liu 2016
Period		2014-2018	1993-2004	2008-2012
Anatomical feature	Cardia	35.85%	35.78%	37.15%
	Body	19.24%	28.00%	10.30%
	Antrum	44.91%	36.22%	52.55%
Trend of cardia cancer ratio		Raise	Raise	Raise
Mean age (x±s)		61.18±11.91	56.9±10.2	59.5±10.2
Male:Female ratio		2.66	3.88	4.4