

Table 1. Morbidity and mortality after gastrectomy in each age group

Complication	All cases (N=295)	NE* (N=196)	E** (N=99)
Any	74 (25.1)	47 (24.0)	27 (27.3)
Surgical	53 (18.0)	37 (18.9)	16 (16.1)
Anastomotic leak	10 (3.4)	7 (3.6)	3 (3.0)
Stasis	10 (3.4)	8 (4.1)	2 (2.0)
Pancreatic fistula	12 (4.1)	9 (4.6)	3 (3.0)
Wound infection	9 (3.1)	6 (3.1)	3 (3.0)
Abscess	2 (0.7)	1 (0.5)	1 (1.0)
Others	10 (3.4)	6 (3.1)	4 (4.0)
Medical	23 (7.8)	12 (6.1)	11 (11.1)
Respiratory	8 (2.7)	3 (1.5)	5 (5.1)
Cardiac	4 (1.4)	2 (1.0)	2 (2.0)
Venous thrombosis	3 (1.0)	2 (1.0)	1 (1.0)
Others	8 (2.7)	5 (2.6)	3 (3.0)
Hospital Death	4 (1.4)	2 (1.0)	2 (2.0)

*NE, non-elderly group; **E. elderly group.

(%)

Table 2. Difference in clinicopathologic variables between PNI-H and PNI-L in the elderly

Variables		PNI-H* (N=50)	PNI-L** (N=49)	P-value
Age		79.2±3.6	80.3±4.2	0.15
Sex	M/F	39/11	37/12	0.77
Histology	Intestinal/Diffuse	36/14	26/23	0.051
Tumor depth	T1-2/T3-4	47/3	35/14	0.0029
Nodal metastasis	N0/N1-	36/14	24/24	0.069
Liver metastasis	H0/H1	49/1	49/0	0.32
Peritoneal metastasis	P0CY0/P1 or CY1	47/3	40/9	0.59
Preoperative comorbidity	Absent/Present	16/34	17/31	0.13
Cardiac	Absent/Present	24/26	33/16	0.052
Pulmonary	Absent/Present	47/3	44/5	0.63
Diabetes Mellitus	Absent/Present	38/12	43/6	0.13
Neoadjuvant chemotherapy	Absent/Present	50/0	45/4	0.039
Type of gastrectomy	Total/Partial	25/25	20/29	0.84
Lymph node dissection	D1/D2	25/25	18/31	0.18
Postoperative complication	Absent/Present	41/9	31/18	0.036
Hospital death	Absent/Present	50/0	47/2	0.15
Adjuvant chemotherapy	Absent/Present	42/8	10/39	0.32

*PNI-H, patients with PNI \geq 44.7; **PNI-L, patients with PNI<44.7.

Table 3. Univariate and multivariate analysis on overall survival of the elderly patients after gastrectomy

Variables		Univariate analysis			Multivariate analysis		
		OR	95% CI	<i>P</i> -value	OR	95% CI	<i>P</i> -value
Age		1.076	0.976-1.186	0.14			
Sex	M	2.203	0.845-5.743	0.11			
Histology	Diffuse type	2.456	1.219-4.946	0.012	1.967	0.950-4.076	0.069
Tumor depth	pT3	4.223	1.999-8.917	0.0002	1.871	0.705-4.965	0.21
Nodal metastasis	positive	2.724	1.330-5.580	0.0062	1.926	0.837-4.433	0.12
Liver metastasis	positive	4.567	0.605-34.484	0.14			
Peritoneal metastasis	positive	1.152	0.155-8.571	0.89			
Preoperative comorbidity	present	0.679	0.338-1.368	0.28			
Neoadjuvant chemotherapy	present	7.267	2.378-22.210	0.0005	2.001	0.551-7.262	0.29
Type of gastrectomy	total	1.787	0.882-3.623	0.11			
Lymph node dissection	D2	1.076	0.525-2.205	0.84			
Postoperative complication	present	1.36	0.654-2.825	0.41			
Adjuvant chemotherapy	present	2.357	1.131-4.912	0.02	1.055	0.410-2.712	0.91
PNI	PNI-L	3.466	1.599-7.514	0.0016	2.692	1.149-6.306	0.023

Table 4. Cause of death without recurrence of gastric cancer in both age groups

Cause of death	NE group (N=9)	E group (N=17)
Hospital death	2 (22.2)	2 (11.8)
Anastomotic leakage	2	
Interstitial pneumonia		1
Thromboembolism		1
Pneumonia	1 (11.1)	6 (35.3)
Emphysema	1 (11.1)	2 (11.8)
Heart failure	0	1 (5.9)
Hepatic failure	2 (22.2)	0
Cerebrovascular diseases	1 (11.1)	1 (5.9)
Other cancers	0	2 (11.8)
Unknown	2 (22.2)	3 (17.6)

(%)