

Table SI. Surgery information.

Items	Patients (N=161)	Duration from nCRT to surgery		χ^2 -value	P-value
		<66 days (n=76)	\geq 66 days (n=85)		
Surgery, n (%)				2.175	0.337
McKeown	145 (90.1)	69 (90.8)	76 (89.4)		
Ivor Lewis	4 (2.5)	3 (3.9)	1 (1.2)		
Others	12 (7.5)	4 (5.3)	8 (9.4)		
Lymphadenectomy, n (%)				1.126	0.570
Two-field	145 (90.1)	68 (89.5)	77 (90.6)		
Three-field	15 (9.3)	7 (9.2)	8 (9.4)		
Others	1 (0.6)	1 (1.3)	0 (0.0)		
R0 resection rate, n (%)	151 (93.8)	68 (89.5)	83 (97.6)	4.780	0.092
Surgical complications, n (%)					
Pulmonary infection	25 (15.5)	11 (14.5)	14 (16.5)	0.122	0.727
Anastomotic leakage	10 (6.2)	7 (9.2)	3 (3.5)	2.223	0.193
Anastomotic stenosis	5 (3.1)	2 (2.6)	3 (3.5)	0.107	1.000
Incision infection	3 (1.9)	1 (1.3)	2 (2.4)	0.236	1.000

Others	6 (3.7)	3 (3.9)	3 (3.5)	0.020	1.000
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nCRT, neoadjuvant chemoradiotherapy.

Table SII. Logistic regression analysis for objective response rate.

Items	Univariable logistic regression analysis			Multivariable logistic regression analysis		
	β -value	OR (95% CI)	P-value	β -value	OR (95% CI)	P-value
Duration from nCRT to surgery (≥ 66 vs. < 66 days)	0.513	1.670 (0.852-3.274)	0.135	0.583	1.792 (0.871-3.686)	0.113
Age (≥ 60 vs. < 60 years)	0.375	1.454 (0.739-2.861)	0.278	0.409	1.505 (0.722-3.138)	0.275
Sex (female vs. male)	0.261	1.298 (0.534-3.155)	0.565	0.074	1.077 (0.399-2.904)	0.884
Tumor location						
Upper	Reference			Reference		
Middle	-0.180	0.835 (0.361-1.936)	0.675	-0.622	0.537 (0.196-1.471)	0.227
Lower	0.446	1.562 (0.532-4.585)	0.417	0.634	1.885 (0.578-6.143)	0.293
Pathological type (SCC vs. non-SCC)	-1.337	0.263 (0.032-2.160)	0.214	-1.961	0.141 (0.014-1.416)	0.096
Tumor size (≥ 5 vs. < 5 cm)	0.146	1.157 (0.554-2.415)	0.697	0.378	1.460 (0.659-3.231)	0.351
cTNM stage (III-IV vs. II)	-0.211	0.810 (0.297-2.210)	0.680	-0.237	0.789 (0.260-2.401)	0.677
nCRT sequence (sequential nCRT vs. synchronous nCRT)	0.186	1.204 (0.568-2.553)	0.628	0.396	1.486 (0.558-3.954)	0.428
Chemotherapy cycle (≥ 2 vs. < 2 cycles)	-0.177	0.838 (0.282-2.492)	0.750	-0.107	0.898 (0.230-3.501)	0.877
Radiation dose (≥ 40 vs. < 40 Gy)	1.047	2.849 (0.905-8.968)	0.074	1.142	3.134 (0.908-10.815)	0.071
Interruption of radiotherapy (yes vs. no)	0.233	1.262 (0.643-2.476)	0.499	0.281	1.324 (0.627-2.795)	0.462

OR, odds ratio; CI, confidence interval; nCRT, neoadjuvant chemoradiotherapy; SCC, squamous cell carcinoma; cTNM, clinical tumor-node-metastasis.

Table SIII. Mortality information.

Items	Patients (N=161)	Duration from nCRT to surgery		χ^2 -value	P-value
		<66 days	\geq 66 days		
		(n=76)	(n=85)		
Death rate, n (%)	27 (16.8)	13 (17.1)	14 (16.5)	0.012	0.914
Cause of death, n (%)				2.006	0.367
Cancer	25 (92.6)	12 (92.3)	13 (92.9)		
Pulmonary infection	1 (3.7)	0 (0.0)	1 (7.1)		
Esophageal-tracheal fistulate	1 (3.7)	1 (7.7)	0 (0.0)		

nCRT, neoadjuvant chemoradiotherapy.