

Supplementary table 2: Univariate and Multivariate analysis of prognostic factors affecting

CSS

Factor	Univariate		Multivariate	
	HR(95%CI)	P value	HR(95%CI)	P value
Age				
<68	Reference	.000	Reference	.000
≥68	1.427	.000	1.436	.000
Gender				
Male	Reference	.009	Reference	.100
Female	0.933		0.948	
Ethnicity				
White	Reference	.000	Reference	.000
Black	1.029	.459	1.084	.076
Other	0.700	.000	0.807	.000
Marital Status				
Single	Reference	.000	Reference	.000
Married	0.885	.000	0.874	.001
Widowed	1.263	.000	1.114	.048
Divorced	0.954	.376	0.977	.690
Site of cancer				
proximal	Reference	.000	Reference	.000
middle	0.706	.000	0.813	.000

distal	0.729	.000	0.851	.000
overlapping	1.021	.710	0.884	.052
Grade				
I	Reference	.000	Reference	.000
II	1.520	.000	1.162	.052
III/IV	1.940	.000	1.427	.000
Histology				
Adenocarcinoma	Reference	.792	Reference	.853
Mucinous	1.048	.500	0.991	.906
adenocarcinoma				
Signet ring cell	1.006	.852	1.019	.591
carcinoma				
T stage				
T1	Reference	.000	Reference	.000
T2	1.359	.000	1.243	.000
T3	2.415	.000	1.857	.000
T4	3.312	.000	2.675	.000
N stage				
N0	Reference	.000	Reference	.000
N1	1.728	.000	1.339	.000
N2	2.022	.000	1.828	.000
N3	2.612	.000	2.534	.000

Tumor size		1.034	.000	1.017	.000
Surgery					
Partial	or	0.273	.000	Reference	.000
subtotal or hemi-					
Near-total or total		1.199	.000	1.039	.464
With removal of a		1.261	.000	1.203	.000
portion	of				
esophagus					
With the resection		1.279	.000	1.126	.032
of other organs					
Surgery, NOS		1.003	.988	1.039	.844
Not surgery		3.661	.000	2.686	.000
LNH					
None		Reference	.000	Reference	.000
1-3		0.464	.000	1.167	.133
≥4		0.373	.000	0.639	.000
Lymph	nodes	0.446	.000	0.867	.412
removed, NOS					

HR: Hazard ratio; LNH: Lymph Node Harvest