

Supplementary Table 1 Univariate and multivariate overall survival analysis of gastric adenocarcinoma with or without enteroblastic differentiation in China National Cancer Center

Prognostic Factors		Univariate analysis			Multivariate anlaysis		
		Hazard Ratio	95% CI	P Value	Hazard Ratio	95% CI	P Value
Group	GC	1.000			1.000		
	GAED	1.549	1.113-2.156	0.029	1.714	1.207-2.435	0.012
Gender	Male	1.000					
	Female	0.824	0.554-1.225	0.421			
Age, year	<40	1.000					
	40-65	1.048	0.449-2.450	0.927			
	>65	1.714	0.729-4.032	0.300			
Smoking history	No	1.000					
	Yes	1.126	0.752-1.687	0.629			
Drinking history	No	1.000					
	Yes	1.154	0.722-1.844	0.615			
H. pylori							
	Positive	1.000			1.000		

Tumor size(cm)	Negative	1.641	1.208-2.228	0.008	1.484	1.070-2.058	0.047
	<4.0	1.000			1.000		
	>=4.0	2.513	1.785-3.538	0.000	1.709	1.170-2.496	0.020
Tumor location	Proximal	1.000					
	Distal	1.148	0.783-1.684	0.553			
	Overlapping lesions	1.296	0.889-1.888	0.258			
Surgical approach	Open surgery	1.000			1.000		
	Laparoscopy assisted surgery	0.381	0.248-0.584	0.000	0.578	0.368-0.906	0.045
	Conversion to open surgery	0.773	0.397-1.504	0.524	0.772	0.373-1.597	0.558
	Total laparoscopic surgery	0.423	0.249-0.716	0.007	0.619	0.356-1.079	0.155
Surgical duration(hour)	<3.3	1.000					
	>=3.3	1.067	0.786-1.448	0.728			
Blood transfusion	No	1.000					
	Yes	1.509	0.957-2.379	0.137			
The number of lymph nodes retrieved	<34	1.000					
	>=34	1.238	0.912-1.680	0.251			
	Hospital stays (day)						

	<10	1.000					
	>=10	1.329	0.978-1.804	0.127			
Complication							
	No	1.000					
	Yes	1.330	0.922-1.919	0.200			
Lauren classification							
	Intestinal	1.000			1.000		
	Diffuse	1.585	1.105-2.274	0.036	0.754	0.465-1.223	0.337
	Mixed	1.180	0.808-1.723	0.472	0.722	0.471-1.104	0.208
Borrmann classification							
	Borrmann I	1.000					
	Borrmann II	0.553	0.314-0.974	0.085			
	Borrmann III	0.967	0.560-1.667	0.919			
	Borrmann IV	1.736	0.911-3.307	0.159			
Signet_Ring							
	No	1.000					
	Yes	1.106	0.777--1.573	0.640			
Linitis plastica							
	No	1.000					
	Yes	1.359	0.682-2.708	0.465			
Differentiation							
	Poor	1.000			1.000		
	Well	0.447	0.322--0.620	0.000	0.465	0.305-0.709	0.003

HER2 score	Moderate	0.413	0.157-1.088	0.133	1.070	0.351-3.260	0.920
	0 (-)	1.000					
	1 (+)	0.886	0.597-1.316	0.616			
	2 (++)	0.640	0.359-1.140	0.204			
	3 (+++)	0.384	0.165-0.891	0.062			
pTNM stage	I	1.000			1.000		
	II	2.138	1.165-3.921	0.039	1.430	0.724-2.821	0.388
	III	4.525	2.724-7.520	0.000	2.618	1.345-5.095	0.017
Lymphatic invasion	No	1.000			1.000		
	Yes	2.976	1.985-4.460	0.000	2.047	1.086-3.861	0.063
Vascular invasion	No	1.000			1.000		
	Yes	1.988	1.428-2.766	0.001	0.635	0.386-1.043	0.133
Perineural invasion	No	1.000					
	Yes	1.230	0.904-1.674	0.269			
Vascular tumor thrombus	No	1.000					
	Yes	1.417	1.044-1.924	0.061			

Supplementary Table 2 Univariate and multivariate progression free survival analysis of gastric adenocarcinoma with or without enteroblastic differentiation in China National Cancer Center

Prognostic Factors		Univariate analysis			Multivariate anlaysis		
		Hazard Ratio	95% CI	P Value	Hazard Ratio	95% CI	P Value
Group	GAED	1.000			1.000		
	GC	1.576	1.133-2.193	0.023	1.823	1.287-5.596	0.005
Gender	Male	1.000					
	Female	0.839	0.564-1.247	0.466			
Age, year	<40	1.000					
	40-65	0.979	0.419-2.288	0.967			
	>65	1.590	0.676-3.738	0.372			
Smoking history	No	1.000					
	Yes	1.131	0.755-1.695	0.616			
Drinking history	No	1.000					
	Yes	1.167	0.730-1.865	0.588			
H. pylori							
	Positive	1.000			1.000		

Tumor size(cm)	Negative	1.560	1.178-2.172	0.012	1.459	1.052-2.024	0.057
	<4.0	1.000			1.000		
	>=4.0	2.522	1.791-3.551	<0.01	1.742	1.193-2.545	0.016
Tumor location	Proximal	1.000					
	Distal	1.166	0.795-1.710	0.510			
	Overlapping lesions	1.284	0.882-1.872	0.274			
Surgical approach	Open surgery	1.000			1.000		
	Laparoscopy assisted surgery	0.372	0.243-0.571	< 0.01	0.528	0.337-0.827	0.019
	Conversion to open surgery	0.809	0.416-1.573	0.600	0.778	0.377-1.605	0.569
	Total laparoscopic surgery	0.421	0.248-0.713	0.007	0.590	0.339-1.024	0.116
Surgical duration(hour)	<3.3	1.000					
	>=3.3	1.045	0.770-1.418	0.814			
Blood transfusion	No	1.000					
	Yes	1.520	0.964-2.396	0.131			
The number of lymph nodes retrieved							
	<34	1.000					
	>=34	1.210	0.891-1.642	0.305			
Hospital stays (day)							

	<10	1.000					
	>=10	1.333	0.981-1.809	0.123			
Complication							
	No	1.000					
	Yes	1.314	0.911-1.896	0.220			
Lauren classification							
	Intestinal	1.000			1.000		
	Diffuse	1.592	1.110-2.284	0.034	0.835	0.516-1.349	0.536
	Mixed	1.173	0.803-1.713	0.488	0.728	0.478-1.109	0.215
Borrmann classification							
	Borrmann I	1.000					
	Borrmann II	0.578	0.329-1.017	0.111			
	Borrmann III	0.995	0.576-1.717	0.988			
	Borrmann IV	1.756	0.916-3.325	0.155			
Signet_Ring							
	No	1.000					
	Yes	1.108	0.779-1.577	0.633			
Linitis plastica							
	No	1.000					
	Yes	1.460	0.733-2.910	0.367			
Differentiation							
	Poor	1.000			1.000		
	Well	0.451	0.325-0.627	<0.01	0.504	0.332-0.766	0.007

HER2 score	Moderate	0.411	0.156-1.085	0.132	1.134	0.372-3.461	0.853
	0 (-)	1.000					
	1 (+)	0.895	0.603-1.329	0.644			
	2 (++)	0.638	0.358-1.136	0.200			
	3 (+++)	0.396	0.171-0.920	0.070			
pTNM stage	I	1.000			1.000		
	II	2.150	1.172-3.943	0.038	1.385	0.701-2.734	0.432
	III	4.541	2.732-7.546	< 0.01	2.512	1.295-4.870	0.022
Lymphatic invasion	No	1.000			1.000		
	Yes	2.970	1.982--4.452	< 0.01	1.994	1.056-3.765	0.074
Vascular invasion	No	1.000			1.000		
	Yes	1.992	1.431-2.771	< 0.01	0.675	0.410-1.110	1.193
Perineural invasion	No	1.000					
	Yes	1.244	0.914-1.692	0.243			
Vascular tumor thrombus	No	1.000					
	Yes	1.420	1.046-1.928	0.059			

Supplementary Table 3 Univariate and multivariate overall survival analysis of gastric adenocarcinoma with enteroblastic differentiation in China National Cancer Center

Prognostic Factors		Univariate analysis			Multivariate anlaysis		
		Hazard Ratio	95% CI	P Value	Hazard Ratio	95% CI	P Value
Gender	Male	1					
	Female	0.370	0.154-0.886	0.061			
Age, year	<40	1.000					
	40-65	-	-	-			
	>65	-	-	-			
Smoking history	No	1.000					
	Yes	0.733	0.379-1.418	0.439			
Drinking history	No	1.000					
	Yes	1.509	0.755-3.018	0.329			
H. pylori	Positive	1.000					
	Negative	0.974	0.559-1.699	0.938			
Tumor size(cm)	<4.0	1.000			1.000		

	>=4.0	3.640	2.000-6.624	0.000	0.988	0.475-2.042	0.972
Tumor location							
	Proximal	1.000					
	Distal	0.753	0.401-1.413	0.458			
	Overlapping lesions	0.887	0.400-1.966	0.805			
Surgical approach							
	Open surgery	1.000			1.000		
	Laparoscopy assisted surgery	0.348	0.173-0.700	0.013	0.765	0.358-1.634	0.561
	Conversion to open surgery	1.997	0.773-5.160	0.231	2.771	0.891-8.620	0.140
	Total laparoscopic surgery	0.293	0.107-0.806	0.046	0.440	0.155-1.247	0.195
Surgical duration(hour)							
	<3.3	1.000					
	>=3.3	0.863	0.482-1.544	0.677			
Blood transfusion							
	No	1.000					
	Yes	1.345	0.644--2.806	0.508			
The number of lymph nodes retrieved							
	<34	1.000					
	>=34	1.679	0.963-2.930	0.125			
Hospital stays (day)							
	<10	1.000					
	>=10	1.861	1.072-3.229	0.064			
Complication							

	No	1.000					
	Yes	1.949	0.972-3.908	0.114			
Lauren classification							
	Intestinal	1.000					
	Diffuse	1.675	0.767-3.658	0.278			
	Mixed	2.040	1.112-3.743	0.053			
Borrmann classification							
	Borrmann I	1.000					
	Borrmann II	0.383	0.157-0.931	0.076			
	Borrmann III	0.719	0.309-1.671	0.519			
	Borrmann IV	2.218	0.730-6.734	0.238			
Signet_Ring							
	No	1.000					
	Yes	1.391	0.629-3.074	0.494			
Linitis plastica							
	No	1.000					
	Yes	0.587	0.111-3.114	0.600			
Differentiation							
	Poor	1.000			1.000		
	Well	0.290	0.161-0.520	0.000	0.473	0.255-0.876	0.046
	Moderate	-	-	-	-	-	-
HER2 score							
	0 (-)	1.000					

	1 (+)	0.823	0.435-1.556	0.614			
	2 (++)	1.180	0.518-2.687	0.741			
	3 (+++)	0.178	0.032-0.962	0.924			
pTNM stage							
	I	1.000			1.000		
	II	1.411	0.402-4.957	0.652	0.979	0.250-3.832	0.979
	III	10.021	3.662--27.422	0.000	6.089	1.637-22.646	0.023
Lymphatic invasion							
	No	1.000			1.000		
	Yes	4.781	1.995-11.458	0.003	2.400	0.889-6.476	0.147
Vascular invasion							
	No	1.000					
	Yes	1.814	0.962-3.420	0.123			
Perineural invasion							
	No	1.000			1.000		
	Yes	3.302	1.703-6.401	0.003	0.547	0.246-1.220	0.216
Vascular tumor thrombus							
	No	1.000					
	Yes	2.410	1.087-5.341	0.069			

Supplementary Table 4 Univariate and multivariate progression free survival analysis of gastric adenocarcinoma with enteroblastic differentiation in China National Cancer Center

Prognostic Factors		Univariate analysis			Multivariate anlaysis		
		Hazard Ratio	95% CI	P Value	Hazard Ratio	95% CI	P Value
Gender	Male	1.000					
	Female	0.367	0.153-0.879	0.059			
Age, year	<40	1.000					
	40-65	-	-	-			
	>65	-	-	-			
Smoking history	No	1.000					
	Yes	0.784	0.405-1.516	0.544			
Drinking history	No	1.000					
	Yes	1.458	0.729-2.916	0.372			
H. pylori	Positive	1.000					
	Negative	0.956	0.548-1.667	0.894			
Tumor size(cm)	<4.0	1.000			1.000		

	>=4.0	3.634	1.996-6.613	<0.01	1.449	0.590-3.557	0.498
Tumor location							
	Proximal	1.000					
	Distal	0.787	0.419-1.477	0.531			
	Overlapping lesions	0.934	0.422-2.070	0.888			
Surgical approach							
	Open surgery	1.000			1.000		
	Laparoscopy assisted surgery	0.312	0.155-0.625	0.006	0.437	0.194-0.984	0.093
	Conversion to open surgery	2.819	1.078-7.371	0.076	1.315	0.456-3.789	0.671
	Total laparoscopic surgery	0.272	0.099-0.746	0.034	0.376	0.124-1.135	0.145
Surgical duration(hour)							
	<3.3	1.000					
	>=3.3	0.822	0.459-1.471	0.579			
Blood transfusion							
	No	1.000					
	Yes	1.438	0.689-3.002	0.417			
The number of lymph nodes retrieved							
	<34	1.000					
	>=34	1.592	0.912-2.780	0.170			
Hospital stays (day)							
	<10	1.000					
	>=10	1.828	1.053-3.171	0.072			
Complication							

	No	1.000					
	Yes	1.759	0.877-3.526	0.182			
Lauren classification							
	Intestinal	1.000					
	Diffuse	1.753	0.802-3.831	0.237			
	Mixed	1.973	1.075-3.620	0.066			
Borrmann classification							
	Borrmann I	1.000					
	Borrmann II	0.416	0.171-1.011	0.104			
	Borrmann III	0.790	0.340-1.835	0.646			
	Borrmann IV	2.213	0.729-6.717	0.239			
Linitis plastica							
	No	1.000					
	Yes	0.767	0.145-4.069	0.794			
Differentiation							
	Poor	1.000			1.000		
	Well	0.298	0.166-0.534	< 0.01	0.449	0.229-0.881	0.051
	Moderate	-	-	-	-	-	-
HER2 score							
	0 (-)	1.000					
	1 (+)	0.838	0.443-1.586	0.649			
	2 (++)	1.101	0.483-2.507	0.848			
	3 (+++)	0.194	0.036-1.048	0.110			

pTNM stage

I	1.000			1.000		
II	1.383	0.394-4.857	0.671	0.783	0.205-2.991	0.764
III	9.881	3.612-27.033	< 0.01	3.566	1.022-12.438	0.094

Signet_Ring

No	1.000		
Yes	1.314	0.594-2.904	0.571

Lymphatic invasion

No	1.000			1.000		
Yes	4.781	1.994-11.463	0.003	2.572	0.630-10.501	0.269

Vascular invasion

No	1.000			1.000		
Yes	3.315	1.709-6.429	0.003	0.879	0.256-3.021	0.864

Perineural invasion

No	1.000		
Yes	1.846	0.979-3.480	0.112

Vascular tumor thrombus

No	1.000			1.000		
Yes	2.790	1.255-6.200	0.035	3.381	1.279-8.940	0.039

Supplementary Table 5 Univariate and multivariate overall survival analysis of gastric adenocarcinoma with or without enteroblastic differentiation in stage I in China National Cancer Center

Prognostic Factors		Univariate analysis			Multivariate anlaysis		
		Hazard Ratio	95% CI	P Value	Hazard Ratio	95% CI	P Value
Group	GC	1.000					
	GAED	1.091	0.364-3.267	0.896			
Gender	Male	1.000					
	Female	1.039	0.347-3.111	0.954			
Age, year	<40	1.000					
	40-65	-	-	-			
	>65	-	-	-			
Smoking history	No	1.000					
	Yes	2.671	0.983-7.332	0.110			
Drinking history	No	1.000					
	Yes	-	-	-			
H. pylori							
	Positive	1.000			1.000		

	Negative	3.731	1.423-9.785	0.025	3.779	1.328-10.757	0.037
Tumor size(cm)							
	<4.0	1.000					
	>=4.0	1.554	0.567-4.256	0.472			
Tumor location							
	Proximal	1.000					
	Distal	3.384	0.883-12.963	0.135			
	Overlapping lesions	4.112	0.990-17.107	0.102			
Surgical approach							
	Open surgery	1.000			1.000		
	Laparoscopy assisted surgery	0.187	0.060-0.584	0.015	0.227	0.072-0.716	0.034
	Conversion to open surgery	0.626	0.094-4.188	0.685	1.385	0.177-10.804	0.795
	Total laparoscopic surgery	0.088	0.013-0.590	0.036	0.127	0.019-0.866	0.077
Surgical duration(hour)							
	<3.3	1.000					
	>=3.3	0.350	0.117-1.048	0.115			
Blood transfusion							
	No	1.000					
	Yes	2.517	0.704-9.002	0.233			
The number of lymph nodes retrieved							
	<34	1.000					
	>=34	2.121	0.820-5.485	0.193			
Hospital stays (day)							

	<10	1.000		
	>=10	1.366	0.528-3.532	0.589
Complication				
	No	1.000		
	Yes	0.724	0.130-4.036	0.757
Lauren classification				
	Intestinal	1.000		
	Diffuse	0.362	0.064-2.032	0.333
	Mixed	0.266	0.047-1.492	0.207
Borrmann classification				
	Borrmann I	1.000		
	Borrmann II	-	-	-
	Borrmann III	-	-	-
	Borrmann IV	-	-	-
Linitis plastica				
	No	1.000		
	Yes	-	-	-
Differentiation				
	Poor	1.000		
	Well	0.785	0.290-2.126	0.690
	Moderate	0.692	0.114-4.194	0.736
HER2 score				
	0 (-)	1.000		

	1 (+)	1.166	0.312-4.360	0.848
	2 (++)	1.439	0.385-5.382	0.650
	3 (+++)	1.086	0.187-6.303	0.939
Signet_Ring				
	No	1.000		
	Yes	1.105	0.369-3.307	0.881
Lymphatic invasion				
	No	1.000		
	Yes	0.536	0.096-2.986	0.550
Vascular invasion				
	No	1.000		
	Yes	-	-	-
Perineural invasion				
	No	1.000		
	Yes	0.830	0.149-4.632	0.859
Vascular tumor thrombus				
	No	1.000		
	Yes	-	-	-

Supplementary Table 6 Univariate and multivariate progression free survival analysis of gastric adenocarcinoma with or without enteroblastic differentiation in stage I in China National Cancer Center

Prognostic Factors		Univariate analysis			Multivariate anlaysis		
		Hazard Ratio	95% CI	P Value	Hazard Ratio	95% CI	P Value
Group							
	GC	1.000					
	GAED	1.102	0.368-3.300	0.884			
Gender							
	Male	1.000					
	Female	1.002	0.335-3.000	0.998			
Age, year							
	<40	1.000					
	40-65	-	-	-			
	>65	-	-	-			
Smoking history							
	No	1.000					
	Yes	2.549	0.931-6.980	0.127			
Drinking history							
	No	1.000					
	Yes	-	-	-			
H. pylori							
	Positive	1.000			1.000		

Tumor size(cm)	Negative	3.659	1.396-9.594	0.027	3.713	1.305-10.569	0.039
	<4.0	1.000					
	>=4.0	1.563	0.571-4.282	0.466			
Tumor location	Proximal	1.000					
	Distal	3.426	0.894-13.126	0.132			
	Overlapping lesions	4.144	0.997-17.228	0.101			
Surgical approach	Open surgery	1.000			1.000		
	Laparoscopy assisted surgery	0.182	0.058-0.572	0.014	0.222	0.070-0.706	0.032
	Conversion to open surgery	0.692	0.103-4.645	0.751	1.523	0.194-11.937	0.737
	Total laparoscopic surgery	0.085	0.013-0.568	0.033	0.120	0.017-0.825	0.070
Surgical duration(hour)	<3.3	1.000					
	>=3.3	0.353	0.118-1.057	0.118			
Blood transfusion	No	1.000					
	Yes	2.595	0.726-9.281	0.218			
The number of lymph nodes retrieved	<34	1.000					
	>=34	0.202	0.808	5.398			
Hospital stays (day)							

	<10	1.000		
	>=10	1.364	0.527-3.525	0.591
Complication				
	No	1.000		
	Yes	0.724	0.130-4.034	0.757
Lauren classification				
	Intestinal	1.000		
	Diffuse	0.329	0.066-2.072	0.342
	Mixed	0.268	0.048-1.502	0.209
Borrmann classification				
	Borrmann I	1.000		
	Borrmann II	-	-	-
	Borrmann III	-	-	-
	Borrmann IV	-	-	-
Linitis plastica				
	No	1.000		
	Yes	-	-	-
Differentiation				
	Poor	1.000		
	Well	0.775	0.286-2.099	0.674
	Moderate	0.693	0.114-4.201	0.738
HER2 score				
	0 (-)	1.000		

	1 (+)	1.161	0.310-4.340	0.853
	2 (++)	1.450	0.388-5.422	0.643
	3 (+++)	1.097	0.189-6.365	0.931
Signet_Ring				
	No	1.000		
	Yes	1.110	0.371-3.323	0.876
Lymphatic invasion				
	No	1.000		
	Yes	0.530	0.095-2.954	0.543
Vascular invasion				
	No	1.000		
	Yes	-	-	-
Perineural invasion				
	No	1.000		
	Yes	0.803	0.144-4.474	0.833
Vascular tumor thrombus				
	No	1.000		
	Yes	-	-	-

Supplementary Table 7 Univariate and multivariate overall survival analysis of gastric adenocarcinoma with or without enteroblastic differentiation in stage II in China National Cancer Center

Prognostic Factors		Univariate analysis			Multivariate anlaysis		
		Hazard Ratio	95% CI	P Value	Hazard Ratio	95% CI	P Value
Group	GC	1.000					
	GAED	0.586	0.232-1.485	0.345			
Gender	Male	1.000					
	Female	1.685	0.747-3.800	0.292			
Age, year	<40	1.000					
	40-65	0.558	0.098-3.160	0.580			
	>65	1.064	0.188-6.030	0.953			
Smoking history	No	1.000					
	Yes	0.508	0.147-1.729	0.361			
Drinking history	No	1.000					
	Yes	-	-	-			
H. pylori							
	Positive	1.000					

Tumor size(cm)	Negative	1.126	0.524-2.420	0.799				
	<4.0	1.000						
	>=4.0	1.055	0.495-2.246	0.908				
Tumor location	Proximal	1.000			1.000			
	Distal	0.451	0.188-1.084	0.135	0.451	0.188-1.084	0.135	
	Overlapping lesions	0.223	0.063-0.784	0.049	0.223	0.063-0.784	0.049	
Surgical approach	Open surgery	1.000						
	Laparoscopy assisted surgery	0.696	0.143-1.741	0.360				
	Conversion to open surgery	-	-	-				
	Total laparoscopic surgery	0.786	0.189-3.270	0.781				
Surgical duration(hour)	<3.3	1.000						
	>=3.3	1.539	0.722-3.280	0.349				
Blood transfusion	No	1.000						
	Yes	-	-	-				
The number of lymph nodes retrieved	<34	1.000						
	>=34	0.514	0.235-1.124	0.162				
Hospital stays (day)								

	<10	1.000		
	>=10	2.450	1.087-5.524	0.070
Complication				
	No	1.000		
	Yes	1.895	0.866-4.149	0.180
Lauren classification				
	Intestinal	1.000		
	Diffuse	1.528	0.545-4.287	0.499
	Mixed	2.209	0.941-5.186	0.127
Borrmann classification				
	Borrmann I	1.000		
	Borrmann II	-	-	-
	Borrmann III	-	-	-
	Borrmann IV	-	-	-
Linitis plastica				
	No	1.000		
	Yes	-	-	-
Differentiation				
	Poor	1.000		
	Well	0.476	0.218-1.039	0.118
	Moderate	0.795	0.141-4.479	0.827
HER2 score				
	0 (-)	1.000		

	1 (+)	-	-	-
	2 (++)	-	-	-
	3 (+++)	-	-	-
Signet_Ring				
	No	1.000		
	Yes	1.100	0.436-2.777	0.865
Lymphatic invasion				
	No	1.000		
	Yes	1.149	0.510-2.590	0.778
Vascular invasion				
	No	1.000		
	Yes	0.862	0.401-1.851	0.749
Perineural invasion				
	No	1.000		
	Yes	1.114	0.518-2.392	0.817
Vascular tumor thrombus				
	No	1.000		
	Yes	1.438	0.657-3.148	0.446

Supplementary Table 8 Univariate and multivariate progression free survival analysis of gastric adenocarcinoma with or without enteroblastic differentiation in stage II in China National Cancer Center

Prognostic Factors		Univariate analysis			Multivariate anlaysis		
		Hazard Ratio	95% CI	P Value	Hazard Ratio	95% CI	P Value
Group	GC	1.000					
	GAED	0.593	0.234-1.498	0.354			
Gender	Male	1.000					
	Female	1.897	0.841-4.279	0.196			
Age, year	<40	1.000					
	40-65	0.540	0.095-3.062	0.559			
	>65	0.971	0.171-5.501	0.978			
Smoking history	No	1.000					
	Yes	0.516	0.151-1.764	0.376			
Drinking history	No	1.000					
	Yes	-	-	-			
H. pylori							
	Positive	1.000					

Tumor size(cm)	Negative	1.055	0.491-2.265	0.909				
	<4.0	1.000						
	>=4.0	1.073	0.504-2.286	0.878				
Tumor location	Proximal	1.000			1.000			
	Distal	0.442	0.184-1.061	0.125	0.442	0.184-1.061	0.125	
	Overlapping lesions	0.220	0.062-0.772	0.047	0.220	0.062-0.772	0.047	
Surgical approach	Open surgery	1.000						
	Laparoscopy assisted surgery	0.501	0.144-1.749	0.363				
	Conversion to open surgery	-	-	-				
	Total laparoscopic surgery	0.760	0.183-3.159	0.751				
Surgical duration(hour)	<3.3	1.000						
	>=3.3	1.433	0.673-3.053	0.434				
Blood transfusion	No	1.000						
	Yes	-	-	-				
The number of lymph nodes retrieved	<34	1.000						
	>=34	0.502	0.230-1.099	0.148				
Hospital stays (day)								

	<10	1.000		
	>=10	2.405	1.067-5.420	0.076
Complication				
	No	1.000		
	Yes	1.820	0.835-3.998	0.205
Lauren classification				
	Intestinal	1.000		
	Diffuse	1.575	0.562-4.418	0.469
	Mixed	2.246	0.958-5.266	0.118
Borrmann classification				
	Borrmann I	1.000		
	Borrmann II	-	-	-
	Borrmann III	-	-	-
	Borrmann IV	-	-	-
Linitis plastica				
	No	1.000		
	Yes	-	-	-
Differentiation				
	Poor	1.000		
	Well	0.482	0.221-1.052	0.124
	Moderate	0.723	0.129-4.060	0.757
HER2 score				
	0 (-)	1.000		

	1 (+)	-	-	-
	2 (++)	-	-	-
	3 (+++)	-	-	-
Signet_Ring				
	No	1.000		
	Yes	1.066	0.422-2.692	0.909
Lymphatic invasion				
	No	1.000		
	Yes	1.107	0.492-2.494	0.837
Vascular invasion				
	No	1.000		
	Yes	0.837	0.390-1.798	0.702
Perineural invasion				
	No	1.000		
	Yes	1.141	0.531-2.450	0.777
Vascular tumor thrombus				
	No	1.000		
	Yes	1.387	0.634-3.033	0.491

Supplementary Table 9 Univariate and multivariate overall survival analysis of gastric adenocarcinoma with or without enteroblastic differentiation in stage III in China National Cancer Center

Prognostic Factors		Univariate analysis			Multivariate anlaysis		
		Hazard Ratio	95% CI	P Value	Hazard Ratio	95% CI	P Value
Group	GC	1.000			1.000		
	GAED	2.402	1.639-3.519	<0.01	1.545	0.919-2.597	0.168
Gender	Male	1.000					
	Female	0.700	0.419-1.168	0.252			
Age, year	<40	1.000					
	40-65	0.787	0.295-2.101	0.688			
	>65	1.184	0.441-3.176	0.779			
Smoking history	No	1.000					
	Yes	1.211	0.748-1.959	0.513			
Drinking history	No	1.000					
	Yes	1.421	0.878-2.298	0.230			
H. pylori							
	Positive	1.000					

Tumor size(cm)	Negative	1.415	0.989-2.023	0.111			
	<4.0	1.000			1.000		
	>=4.0	2.075	1.281-3.358	0.013	1.819	1.120-2.957	0.043
Tumor location	Proximal	1.000					
	Distal	1.233	0.767-1.983	0.469			
	Overlapping lesions	1.177	0.749-1.851	0.553			
Surgical approach	Open surgery	1.000			1.000		
	Laparoscopy assisted surgery	0.485	0.294-0.801	0.018	0.612	0.367-1.022	0.116
	Conversion to open surgery	0.691	0.333-1.433	0.405	0.830	0.391-1.759	0.683
	Total laparoscopic surgery	0.547	0.297-1.010	0.106	0.679	0.366-1.259	0.303
Surgical duration(hour)	<3.3	1.000					
	>=3.3	1.099	0.769-1.571	0.665			
Blood transfusion	No	1.000					
	Yes	1.573	0.957-2.584	0.134			
The number of lymph nodes retrieved							
	<34	1.000					
	>=34	1.128	0.788-1.615	0.581			
Hospital stays (day)							

	<10	1.000					
	>=10	1.123	0.786-1.605	0.593			
Complication							
	No	1.000					
	Yes	1.126	0.728-1.743	0.655			
Lauren classification							
	Intestinal	1.000					
	Diffuse	1.286	0.846-1.955	0.324			
	Mixed	0.921	0.582-1.459	0.769			
Borrmann classification							
	Borrmann I	1.000					
	Borrmann II	0.563	0.263-1.206	0.215			
	Borrmann III	0.794	0.387-1.627	0.597			
	Borrmann IV	1.283	0.584-2.820	0.603			
Linitis plastica							
	No	1.000					
	Yes	0.950	0.473-1.907	0.904			
Differentiation							
	Poor	1.000			1.000		
	Well	0.496	0.333-0.738	0.004	0.512	0.341-0.769	0.006
	Moderate	1.914	0.363-10.099	0.521	1.439	0.251-8.242	0.732
HER2 score							
	0 (-)	1.000					

	1 (+)	0.784	0.499-1.231	0.375		
	2 (++)	0.463	0.198-1.081	0.135		
	3 (+++)	0.508	0.192-1.344	0.252		
Signet_Ring						
	No	1.000				
	Yes	1.070	0.712-1.608	0.785		
Lymphatic invasion						
	No	1.000				
	Yes	1.142	1.191-8.241	0.052		
Vascular invasion						
	No	1.000				
	Yes	1.293	0.787-2.123	0.395		
Perineural invasion						
	No	1.000			1.000	
	Yes	0.416	0.284-0.609	< 0.01	0.566	0.333-0.960 0.077
Vascular tumor thrombus						
	No	1.000				
	Yes	0.733	0.509-1.055	0.160		

Supplementary Table 10 Univariate and multivariate progression free survival analysis of gastric adenocarcinoma with or without enteroblastic differentiation in stage III in China National Cancer Center

Prognostic Factors		Univariate analysis			Multivariate anlaysis		
		Hazard Ratio	95% CI	P Value	Hazard Ratio	95% CI	P Value
Group	GC	1.000			1.000		
	GAED	2.493	1.706-3.644	<0.01	1.640	1.034-2.879	0.048
Gender	Male	1.000					
	Female	0.712	0.426-1.188	0.275			
Age, year	<40	1.000					
	40-65	0.670	0.251-1.789	0.502			
	>65	1.008	0.376-2.707	0.989			
Smoking history	No	1.000					
	Yes	1.229	0.760-1.988	0.481			
Drinking history	No	1.000					
	Yes	1.448	0.895-2.343	0.205			
H. pylori							
	Positive	1.000					

Tumor size(cm)	Negative	1.379	0.965-1.972	0.139			
	<4.0	1.000			1.000		
	>=4.0	2.080	1.285-3.366	0.012	1.793	1.103-2.917	0.048
Tumor location	Proximal	1.000					
	Distal	1.264	0.786-2.033	0.417			
	Overlapping lesions	1.152	0.733-1.809	0.607			
Surgical approach	Open surgery	1.000			1.000		
	Laparoscopy assisted surgery	0.467	0.283-0.771	0.012	0.602	0.362-1.002	0.102
	Conversion to open surgery	0.698	0.337-1.448	0.418	0.822	0.389-1.740	0.668
	Total laparoscopic surgery	0.567	0.307-1.045	0.127	0.768	0.413-1.427	0.484
Surgical duration(hour)	<3.3	1.000					
	>=3.3	1.084	0.758-1.549	0.711			
Blood transfusion	No	1.000					
	Yes	1.607	0.978-2.640	0.116			
The number of lymph nodes retrieved	<34	1.000					
	>=34	1.097	0.766-1.570	0.673			
	Hospital stays (day)						

Complication	<10	1.000					
	>=10	1.127	0.788-1.610	0.583			
Lauren classification	No	1.000					
	Yes	1.115	0.720-1.725	0.683			
Borrmann classification	Intestinal	1.000					
	Diffuse	1.274	0.838-1.936	0.342			
	Mixed	0.898	0.567-1.422	0.700			
Linitis plastica	Borrmann I	1.000					
	Borrmann II	0.598	0.279-0.281	0.267			
	Borrmann III	0.835	0.407-1.711	0.679			
	Borrmann IV	1.309	0.596-2.878	0.574			
Differentiation	No	1.000					
	Yes	1.037	0.517-2.083	0.931			
HER2 score	Poor	1.000			1.000		
	Well	0.507	0.340-0.754	0.005	0.523	0.345-0.791	0.010
	Moderate	1.557	0.296-8.191	0.661	4.916	0.604-40.017	0.211
	0 (-)	1.000					

	1 (+)	0.794	0.506-1.247	0.401			
	2 (++)	0.456	0.195-1.066	0.128			
	3 (+++)	0.560	0.212-1.481	0.327			
Signet_Ring							
	No	1.000					
	Yes	1.075	0.715-1.616	0.770			
Lymphatic invasion							
	No	1.000			1.000		
	Yes	3.173	1.206-8.348	0.049	4.907	1.486-16.199	0.028
Vascular invasion							
	No						
	Yes						
Perineural invasion							
	No	1.000			1.000		
	Yes	0.421	0.288-0.615	< 0.01	0.501	0.281-1.093	0.059
Vascular tumor thrombus							
	No	1.000					
	Yes	0.742	0.516-1.066	0.175			