

Table SI. Univariate and Multivariate Cox hazard analysis for PYGB, PYGL and PYGM. The analysis was performed using the online tool Xiantao (<https://www.xiantao.love/products>). The dataset was from The Cancer Genome Atlas-liver hepatocellular carcinoma, accession number phs000178.v11.p8.

Characteristics	Total (N)	Univariate analysis		Multivariate analysis	
		Hazard ratio (95% CI)	P-value	Hazard ratio (95% CI)	P-value
T stage	370				
T1	183	Reference			
T2&T3&T4	187	2.126 (1.481-3.052)	<0.001	0.453 (0.062-3.324)	0.436
Pathologic stage	349				
Stage I	173	Reference			
Stage II, III and IV	176	2.090 (1.429-3.055)	<0.001	4.239 (0.576-31.192)	0.156
Histologic grade	368				
G1	55	Reference			
G2, G3 and G4	313	1.188 (0.721-1.958)	0.499		
Sex	373				

Characteristics	Total (N)	Univariate analysis		Multivariate analysis	
		Hazard ratio (95% CI)	P-value	Hazard ratio (95% CI)	P-value
Female	121	Reference			
Male	252	0.793 (0.557-1.130)	0.200		
Age	373				
<=60	177	Reference			
>60	196	1.205 (0.850-1.708)	0.295		
PYGB	373				
Low	187	Reference			
High	186	1.801 (1.266-2.562)	0.001	1.616 (1.105-2.364)	0.013

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		Hazard ratio (95% CI)	P-value	Hazard ratio (95% CI)	P-value
T1	183	Reference			
T2, T3 and T4	187	2.126 (1.481-3.052)	<0.001	0.604 (0.084-4.363)	0.617
Pathologic stage	349				
Stage I	173	Reference			
Stage II, III and IV	176	2.090 (1.429-3.055)	<0.001	3.431 (0.470-25.018)	0.224
Histologic grade	368				
G1	55	Reference			
G2, G3 and G4	313	1.188 (0.721-1.958)	0.499		
Sex	373				
Female	121	Reference			
Male	252	0.793 (0.557-1.130)	0.200		

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		Hazard ratio (95% CI)	P-value	Hazard ratio (95% CI)	P-value
Age	373				
<=60	177	Reference			
>60	196	1.205 (0.850-1.708)	0.295		
PYGL	373				
Low	186	Reference			
High	187	1.050 (0.744-1.483)	0.780		

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T2, T3 and T4	187	2.126 (1.481-3.052)	<0.001	0.604 (0.084-4.363)	0.617

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Characteristics	Total (N)	Univariate analysis		Multivariate analysis	
		Hazard ratio (95% CI)	P-value	Hazard ratio (95% CI)	P-value
PYGM	373				
Low	187	Reference			
High	186	0.763 (0.540-1.079)	0.126		

CI, confidence interval; PYGB, brain isoform of GP; PYGL, liver form of GP; PYGM, muscle form of GP.