

Supplementary Tables S1 and S2

Supplementary Table S1. Basic models to evaluate the association between clinicopathological factors and survival, from initiation of the last line chemotherapy in PAN

vs GI	Pancreas cancer (PAN)			Other gastrointestinal cancers (GI)		
	Multivariate Model 1			Multivariate Model 2 ¹		
	N	HR (95% CI)	P	N	HR (95% CI)	P
Age ²						
	189	1.01 (0.99-1.03)	.35	286	1.00 (0.99-1.01)	.57
Sex						
Male	124	1.00 Reference		177	1.0 Reference	
Female	65	0.78 (0.58-1.09)	.16	109	1.22 (0.93-1.60)	.15
BMI ³						
<18.5	8	1.94 (0.94-4.03)		14	0.78 (0.44-1.38)	
≥18.5	181	1.0 Reference	.74	271	1.0 Reference	.39
Performance status						
PS 0-1	178	1.00 Reference		265	1.0 Reference	
PS ≥2	11	3.38 (1.75-6.53)	<.001	21	1.90 (1.14-3.15)	.01
Hospital size ⁴						
Large	102	1.00 Reference		149	1.0 Reference	
Medium	51	0.68 (0.47-0.97)	.03	89	0.94 (0.70-1.25)	.67
Small	36	0.83 (0.55-1.25)	.37	48	0.89 (0.63-1.27)	.53
Albumin (g/L)						
<35	48	1.74 (1.21-2.50)	.003	61	1.55 (0.93-2.60)	.01
≥35	101	1.00 Reference		158	1.0 Reference	
mGPS ⁵						
0	29	1.00 Reference		30	1.0 Reference	
1	56	1.21 (0.73-2.02)	.46	96	1.57 (0.94-2.62)	.08
2	33	2.20 (1.26-3.83)	.005	46	2.42 (1.40-4.19)	.002
CRP (mg/L)						
≤10	31	1.00 Reference		30	1.0 Reference	
>10	90	1.48 (0.95-2.90)	.81	142	2.09 (1.31-3.34)	.002

PS, performance status; BMI, body mass index; CRP, C-reactive protein; mGPS, modified Glasgow Prognostic Score; CI, confidence interval. ¹Multivariate Model 2 included additional adjustments for cancer diagnosis; ²Age used as a continuous variable; ³Missing data on 1 patient; ⁴Size refers to the hospital catchment area; ⁵mGPS score: 0, CRP ≤10; 1, CRP >10; 2, CRP >10 and alb <35; missing data on mGPS for 71 PAN (37.6%) and 114 (39.9%) GI.

Supplementary Table S2. Final multivariable models

Model	Parameter estimate	P	HR (95% CI)	Probability
Pancreas cancer (N=189)				
Basic model*				
PS ≥ 2	1.22	<.001	3.39 (1.75-6.23)	77.2 %
Basic + BMI				
PS ≥ 2	1.23	<.001	3.42 (1.77-6.59)	77.4 %
BMI ≥ 18.5	0.66	.74	1.94 (0.94-4.03)	65.9 %
Basic + Albumin				
PS ≥ 2	1.21	<.001	3.35 (1.66-6.75)	77 %
Albumin <35 g/L	0.55	0.013	1.74 (1.21-2.59)	63.5 %
Basic + CRP				
PS ≥ 2	1.31	.002	3.70 (1.64-8.33)	78.7 %
CRP >10 mg/L	0.39	.08	1.48 (0.95-2.29)	59.7 %
Basic + mGPS				
PS ≥ 2	1.29	.002	3.63 (1.60-8.24)	78.4 %
mGPS 2	0.79	.005	2.20 (1.26-3.83)	68.7 %
Other GI cancers (n=286)				
Basic model**				
PS ≥ 2	0.64	.014	1.90 (1.14-3.15)	65.5 %
Basic + BMI				
PS ≥ 2	0.64	.014	1.90 (1.14-3.16)	65.5 %
BMI ≥ 18	-0.25	.39	0.78 (0.44-1.38)	43.8 %
Basic + Albumin				
PS ≥ 2	0.44	.13	1.55 (0.88-2.71)	60.8 %
Albumin <35 g/L	0.44	.010	1.55 (1.11-2.16)	60.8 %
Basic + CRP				
PS ≥ 2	0.18	.54	1.20 (1.64-8.33)	54.5 %
CRP >10 mg/L	0.74	.002	2.09 (1.31-3.34)	67.6 %
Basic + mGPS				
PS ≥ 2	0.12	.70	1.12 (0.62-2.03)	52.8 %
mGPS 2	0.88	.002	2.42 (1.40-4.19)	70.8 %

*Basic model includes adjustments: age, sex, hospital size, and performance status (PS) at baseline. **Basic model for GI includes additionally adjustment for cancer diagnosis. BMI, body mass index; mGPS, modified Glasgow Prognostic Score; CI, confidence interval.