Supplemental material

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Supplementary Table 3. Univariate and multivariate analysis of prognostic factors associated with overall survival and recurrence-free survival in the validation cohort.

Variables	Overall survival			Recurrence-free survival		
	Univariate *P* value	Multivariate *P* value	Multivariate HR (95% CI)	Univariate *P* value	Multivariate *P* value	Multivariate HR (95% CI)
Gender						
Male/Female	0.936	NA		0.380		
Age (years)						
<65/≥65	0.313	NA		**0.021**	**0.028**	5.087 (1.188-21.790)
Primary site						
Head/Body or tail	0.566	NA		0.491		
Differentiation						
I/II/III	0.111	NA		0.109		
T stage						
T1+T2/ T3+T4	0.183	NA		0.843		
N stage						
N0/N1-2	0.178	NA		0.163		
TNM stage						
I/II/III	0.342	NA		0.291		
Perineural invasion						
No/Yes	0.232	NA		**0.046**	0.270	3.624 (0.368-35.679)
CA19-9						
< 37/ ≥ 37 U/L	0.410	NA		0.748		
CEA						
< 5/ ≥ 5 ng/mL	0.701	NA		0.352		
TBIL						

≤ 20.4/ > 20.4 μmol/L	0.394	NA		0.125		
Albumin						
< 35/ ≥ 35 g/L	0.249	NA		0.666		
ALT						
≤ 35/ > 35 U/L	0.628	NA		0.613		
AST						
≤ 40/ > 40 U/L	0.798	NA		0.831		
GGT						
≤ 60/ > 60 U/L	0.577	NA		0.822		
Glucose						
≤ 5.6/ >5.6 mmol/L	0.145	NA		0.315		
Tumor-associated N1 neutrophils						
Low/ High	**0.002**	0.152	0.280 (0.049-1.600)	**0.017**	0.139	0.272 (0.049-1.526)
Tumor-associated N2 neutrophils						
Low/ High	**<0.001**	**0.019**	8.796 (1.430-54.116)	**<0.001**	**0.036**	7.939 (1.148-54.888)
Tumor-infiltrating Tregs						
Low/High	**0.083**	0.857	0.839 (0.125-5.657)	**0.008**	0.161	2.689 (0.674-10.718)
Tumor-infiltrating CD8+ T cells						
Low/High	0.125	NA		**0.011**	0.327	2.215 (0.452-10.868)