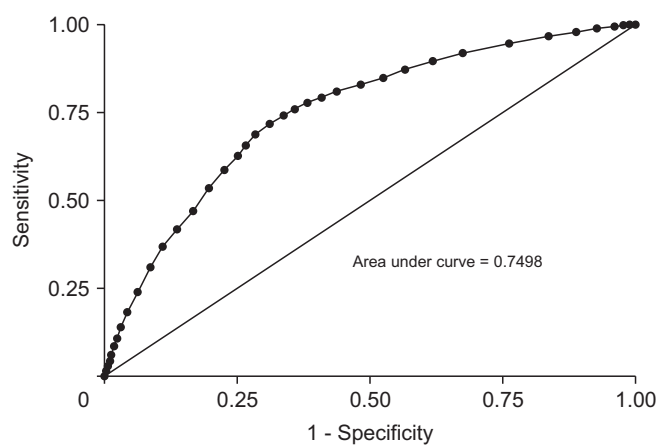




Supplementary Fig. 1. Receiver operating characteristic (ROC) curve for the predictive value of the preoperative soft pancreas risk score (PSPRS) in the validation cohort of this study.

Supplementary Table 1. Multivariable logistic regression assessing predictors of mortality

Risk factor	Odds ratio	95% confidence interval	<i>p</i> -value
Soft pancreas (compared to hard)	1.13	0.86–1.48	0.375
Age	1.04	1.02–1.05	< 0.001
BMI	1.03	1.01–1.06	0.002
Sex	0.79	0.61–1.01	0.065
COPD	1.74	1.09–2.77	0.041
CHF	2.43	1.04–5.71	0.041
HTN	1.10	0.84–1.44	0.507
Diabetes			
Insulin-dependent	0.80	0.54–1.18	0.256
Non-insulin dependent	1.08	0.77–1.52	0.636
Active smoker	1.22	0.85–1.74	0.276
Dialysis	2.79	0.83–9.33	0.096
Steroid	1.51	0.84–2.74	0.170
Bleeding disorder	2.02	1.20–3.42	0.008
Preoperative Sepsis	1.91	0.92–3.99	0.084
Partially dependent functional status (compared to independent)	2.31	0.99–5.42	0.054
Neoadjuvant therapy	1.12	0.81–1.54	0.485
Invasion	1.22	0.93–1.59	0.151
Hypoalbuminemia	1.44	1.10–1.90	0.009
Diagnosis			
PDAC	0.66	0.45–0.97	0.033
Pancreatitis	1.06	0.43–2.60	0.893
Carcinoid & Neuroendocrine tumor	0.64	0.36–1.14	0.131
Duodenal and ampullary lesions	0.79	0.52–1.22	0.292
Cyst	0.51	0.12–2.14	0.360
Cholangiocarcinoma	1.02	0.60–1.74	0.938

BMI, body mass index; COPD, chronic obstructive pulmonary disease; CHF, congestive heart failure; HTN, hypertension; PDAC, pancreatic ductal adenocarcinoma.

Supplementary Table 2. Multivariable logistic regression evaluating predictors of soft pancreas

Risk factor	Odds ratio	95% confidence interval	<i>p</i> -value
Age (effect for every 10 years)	0.98	0.94–1.01	0.149
BMI	1.12	1.09–1.16	< 0.001
Sex	1.14	1.06–1.22	< 0.001
COPD	1.16	0.97–1.39	0.102
Congestive heart failure	1.30	0.86–1.98	0.216
Hypertension	0.95	0.88–1.02	0.165
Diabetes			
Insulin-dependent	0.53	0.47–0.59	< 0.001
Non-insulin dependent	0.80	0.72–0.89	< 0.001
Smoking	0.82	0.74–0.90	< 0.001
Dialysis	1.09	0.58–2.04	0.798
Steroid use	1.17	0.95–1.44	0.130
Bleed, requiring transfusion	1.08	0.87–1.34	0.472
Sepsis	1.13	0.82–1.54	0.456
Functional status	0.90	0.61–1.35	0.624
Neoadjuvant	0.62	0.57–0.68	< 0.001
Invasion (T3 or T4 tumor)	0.83	0.77–0.90	< 0.001
Hypoalbuminemia	0.90	0.83–0.99	0.023
Preoperative biliary stent	0.59	0.55–0.64	< 0.001
Diagnosis			
PDAC	0.32	0.28–0.35	< 0.001
Pancreatitis	0.12	0.09–0.16	< 0.001
Carcinoid & neuroendocrine tumor	1.06	0.91–1.24	0.441
Duodenal and ampullary lesions	1.48	1.30–1.69	< 0.001
Cyst	0.83	0.61–1.14	0.254
Cholangiocarcinoma	1.48	1.24–1.76	< 0.001

BMI, body mass index; COPD, chronic obstructive pulmonary disease; PDAC, pancreatic ductal adenocarcinoma.