

Supplementary Materials

Table S1. Internal validation with 1000 bootstrap replicates.

Original (Corrected)	Performance Measures		Model Ratio		CA19-9		Bilirubin		CA19-9 + Bilirubin	
PDAC vs. benign	n = 161 vs. 49									
AUC	0.914	(0.908)	0.858	(0.865)	0.754	(0.753)	0.901	(0.902)		
R ² _{Nagelkerke}	0.562	(0.546)	0.421	(0.429)	0.196	(0.185)	0.490	(0.483)		
Intercept	0	(−0.005)	0	(−0.074)	0	(−0.021)	0	(−0.019)		
Slope	1.00	(0.989)	1.00	(1.100)	1.00	(0.996)	1.00	(0.974)		
Harrell's E _{max}	0	(0.004)	0	(0.033)	0	(0.005)	0	(0.009)		
Malign vs. benign	n = 222 vs. 49									
AUC	0.902	(0.898)	0.846	(0.856)	0.764	(0.764)	0.891	(0.895)		
R ² _{Nagelkerke}	0.492	(0.470)	0.342	(0.357)	0.182	(0.174)	0.419	(0.419)		
Intercept	0	(0.018)	0	(−0.166)	0	(−0.027)	0	(−0.037)		
Slope	1.00	(0.976)	1.00	(1.173)	1.00	(1.010)	1.00	(1.024)		
Harrell's E _{max}	0	(0.008)	0	(0.061)	0	(0.008)	0	(0.028)		
PDAC vs. dCCA	n = 161 vs. 22									
AUC	0.816	(0.784)	0.689	(0.689)	0.582	(0.548)	0.655	(0.627)		
R ² _{Nagelkerke}	0.242	(0.195)	0.030	(0.00)	0.0007	(0.00)	0.030	(0.00)		
Intercept	0	(0.116)	0	(−1.555)	0	(−2.597)	0	(0.243)		
Slope	1.00	(0.907)	1.00	(1.813)	1.00	(2.463)	1.00	(0.869)		
Harrell's E _{max}	0	(0.043)	0	(0.326)	0	(0.441)	0	(0.080)		