

**Table S1** LASSO-selected variables and their coefficients for predicting high-grade PDAC in the training cohort

Variable	Coefficient
3D-conventional (HU)	-0.021
3D-40 keV (HU)	-0.015
3D-100 keV (HU)	-0.019
3D- $\lambda$ HU	-0.032
3D-IC (mg/mL)	-0.041
3D-Zeff	-0.028
BMI	-0.009
CA125	0.002
NLR	0.011

Coefficients are from the LASSO regression model with 10-fold cross-validation in the training cohort at the optimal penalty parameter  $\lambda$  ( $\lambda=0.0152$ ). 3D, three-dimensional; BMI, body mass index; CA125, carbohydrate antigen 125; HU, Hounsfield unit; IC, iodine concentration; keV, kiloelectron volt; LASSO, least absolute shrinkage and selection operator; NLR, neutrophil-to-lymphocyte ratio; PDAC, pancreatic ductal adenocarcinoma; Zeff, effective atomic number;  $\lambda$ HU, the slope of spectral HU curve.