



**Supplement Figure 1 Post-hoc analysis of best NN model with RFE and the contribution profile of the risk factors.** Top 16 variables from the best NN model with RFE and the contribution profile of each simulated variable to the prediction of POPF risk. For example, the profile of the pancreatic duct diameter (top left corner) shows a negative relationship, i.e., if the diameter is longer, the risk is lower. NN, neural network; RFE, recursive feature elimination; POPF, postoperative pancreatic fistula; BMI, body mass index; PLT, platelet; PVR, portal vein resection; ASA, American Society of Anesthesiologists; ERBD, endoscopic retrograde biliary drainage; ENBD, endoscopic nasobiliary drainage.