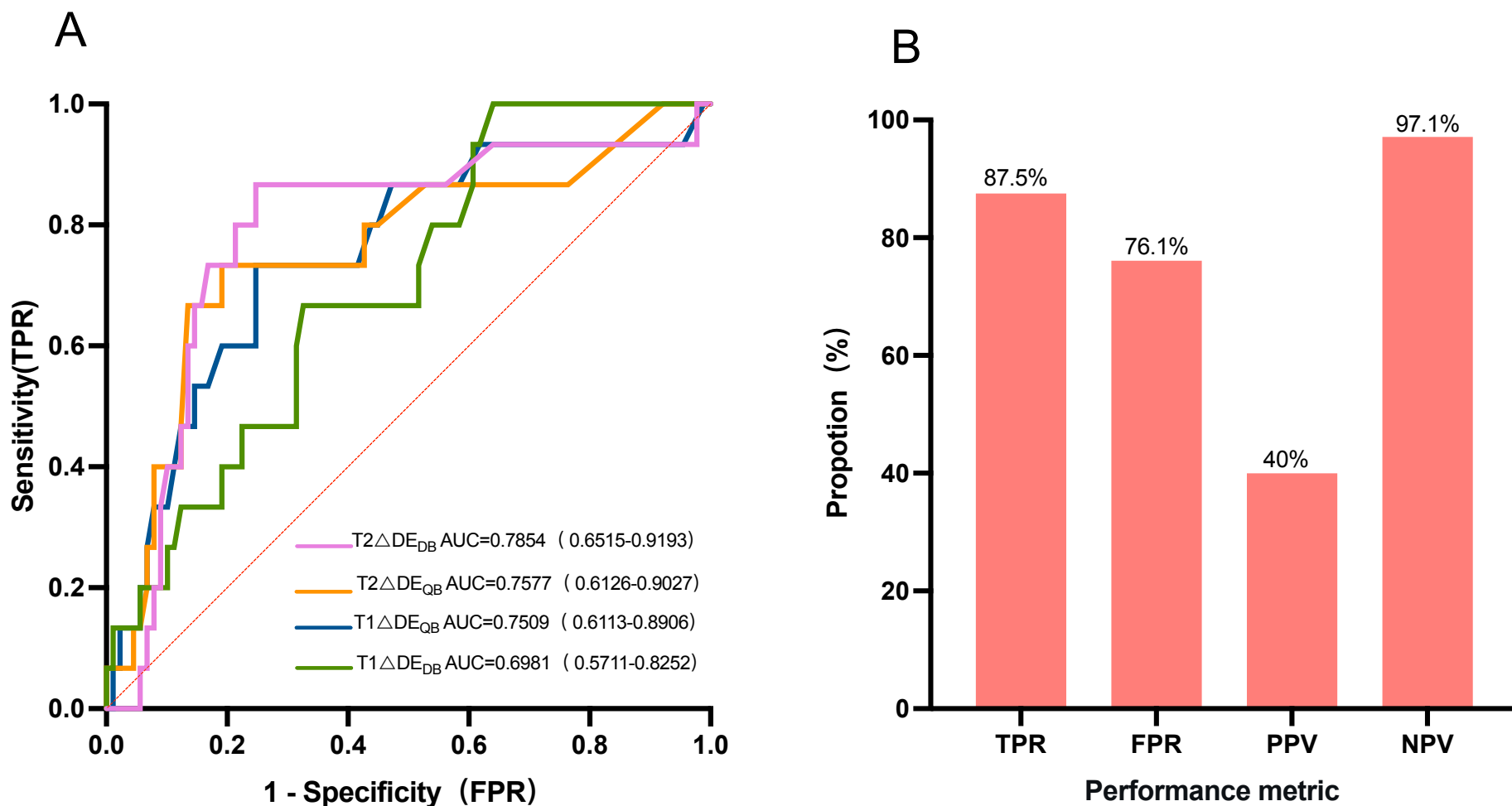


Supplementary Figure 1. ROC curve of ΔDE_{DB} at T2 for predicting postoperative hypoxemia, with performance metrics at the optimal cutoff (0.215cm).



(A) ROC curve showing the predictive value of ΔDE_{DB} at T2 for postoperative hypoxemia. The area under the curve (AUC) was 0.785 (95% CI: 0.652–0.919). (B) Performance metrics at the optimal cutoff value of 0.215 cm (determined by Youden's index). TPR, true positive rate (sensitivity); FPR, false positive rate (1 – specificity); PPV, positive predictive value; NPV, negative predictive value.

Abbreviations: T1: 10 min after extubation; T2: 30 min after extubation; ΔDE_{DB} , the change in diaphragmatic excursion during deep breathing from preoperative baseline; ΔDE_{QB} , the change in diaphragmatic excursion quiet breathing from preoperative baseline.