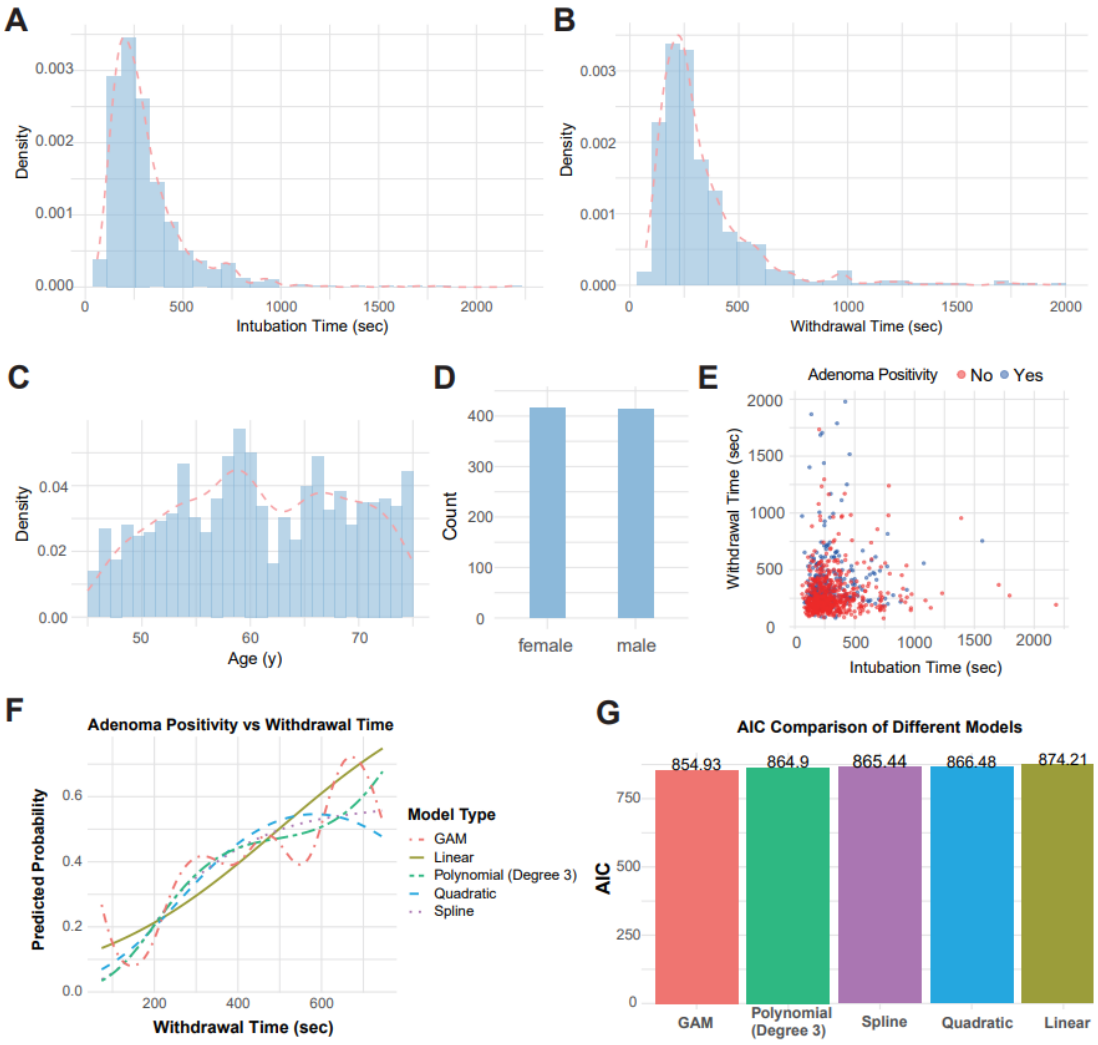
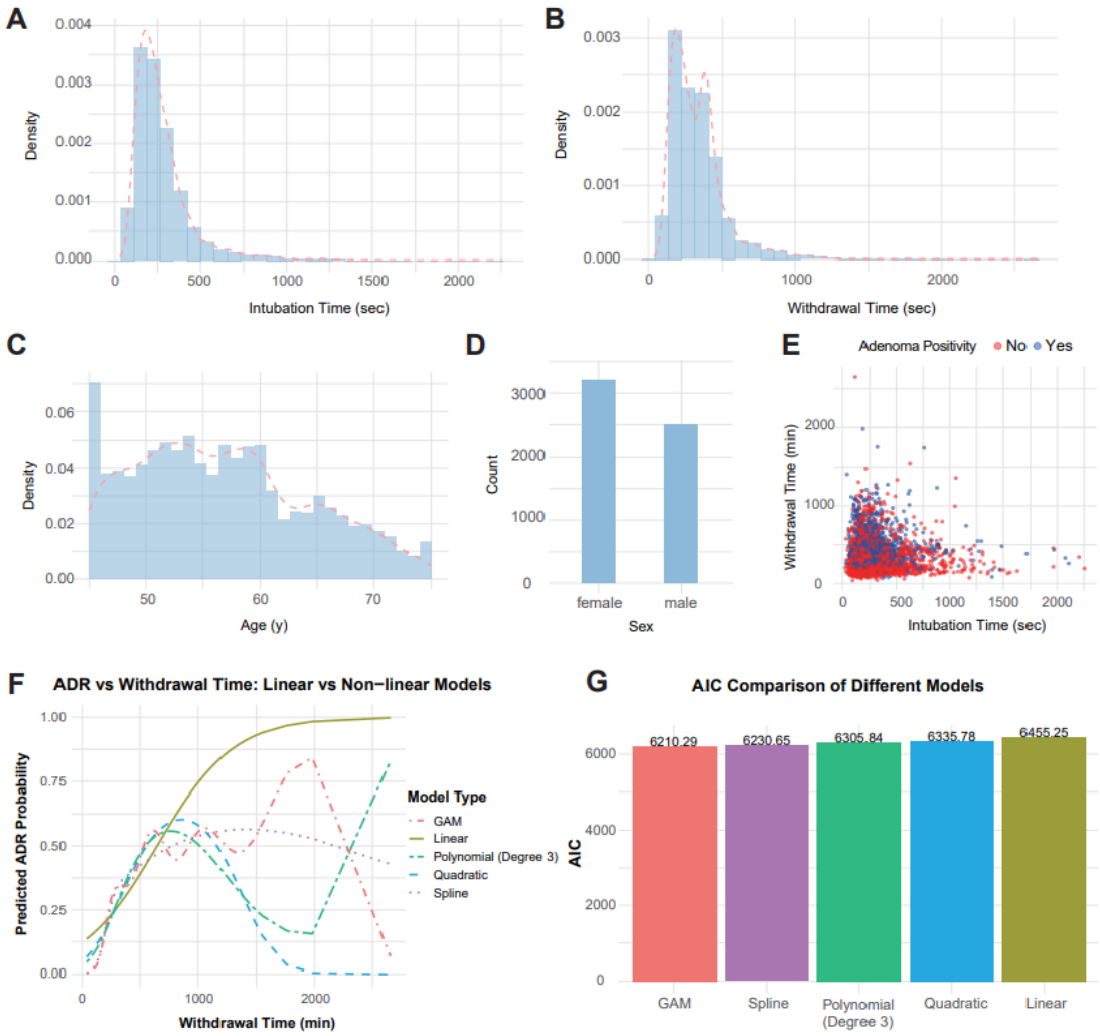
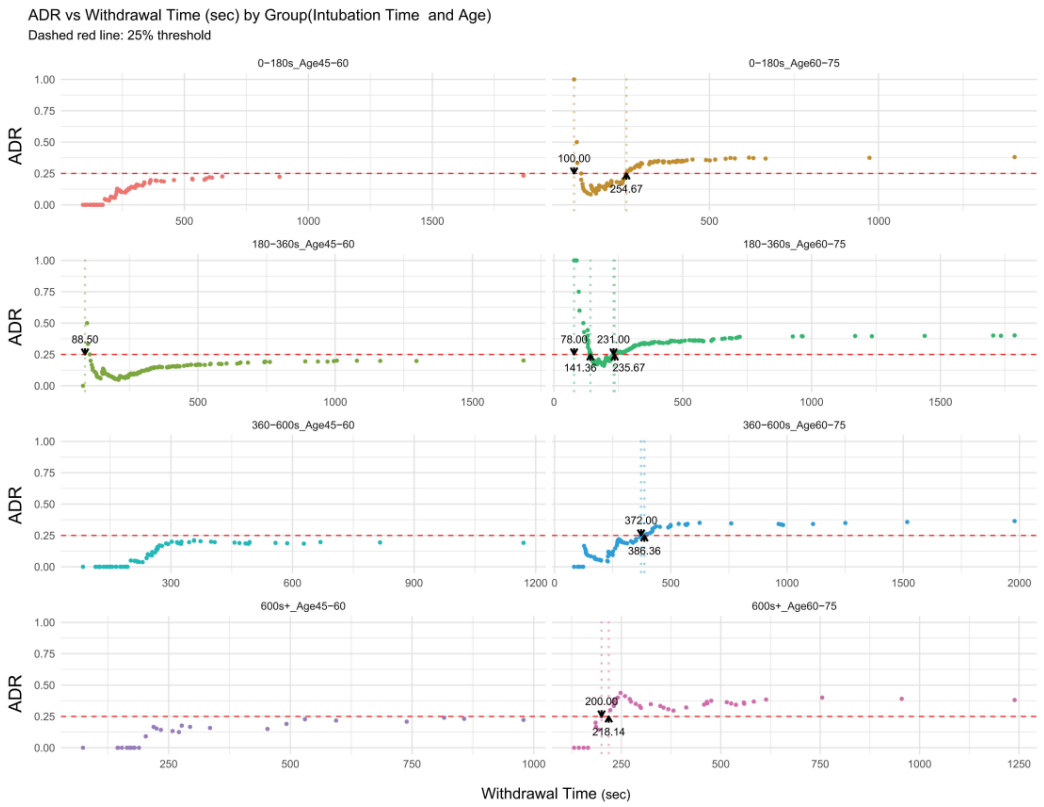


Supplementary Figure 1 Patient distribution and correlation of insertion and withdrawal times with adenoma detection rate (ADR) (*n* = 830). A: Distribution of patients by endoscopic insertion time; B: Distribution of patients by endoscopic withdrawal time; C: Distribution of patients by age; D: Distribution of patients by sex; E-G: Correlation of insertion and withdrawal times with ADR.



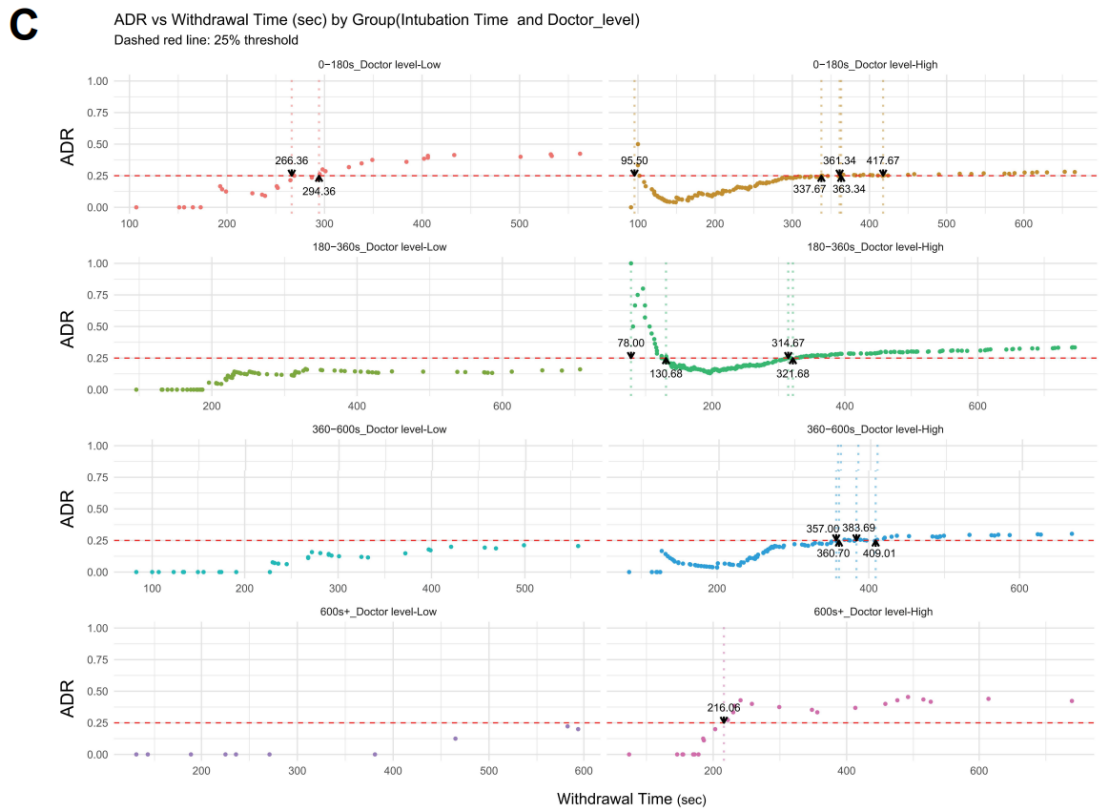
Supplementary Figure 2 Patient distribution and the correlation of insertion and withdrawal times with adenoma detection rate (ADR) (*n* = 5699). A: Distribution of patients by endoscopic insertion time; B: Distribution of patients by endoscopic withdrawal time; C: Distribution of patients by age; D: Distribution of patients by sex; E-G: Correlation of insertion and withdrawal times with ADR.

A

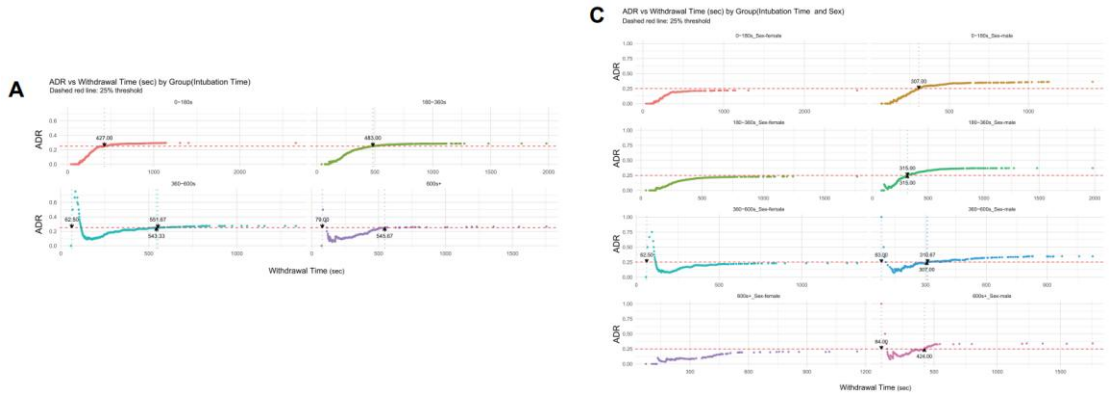

ADR vs Withdrawal Time (sec) by Group(Intubation Time and Age)
Dashed red line: 25% threshold
0−180s_Age45−60
0−180s_Age60−75
180−360s_Age45−60
180−360s_Age60−75
360−600s_Age45−60
360−600s_Age60−75
600s+_Age45−60
600s+_Age60−75
ADR
Withdrawal Time (sec)

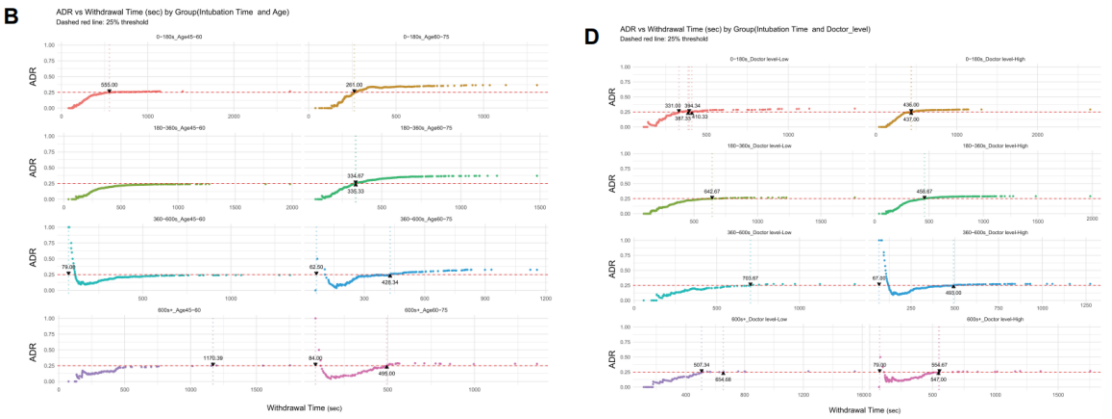
B


ADR vs Withdrawal Time (sec) by Group(Intubation Time and Sex)
Dashed red line: 25% threshold
0−180s_Sex-female
0−180s_Sex-male
180−360s_Sex-female
180−360s_Sex-male
360−600s_Sex-female
360−600s_Sex-male
600s+_Sex-female
600s+_Sex-male
ADR
Withdrawal Time (sec)



Supplementary Figure 3 Withdrawal time stratified by insertion-time group, age, sex, and experience level of the endoscopist (ADR ≥ 25%; *n* = 830). A: ADR vs Withdrawal time across groups defined by insertion time and age; B: ADR vs Withdrawal time across groups defined by insertion time and sex; C: Withdrawal time across groups defined by insertion time and doctor-level.





Supplementary Figure 4 Withdrawal time stratified by insertion-time group, age, sex, and experience level of the endoscopist (ADR ≥ 25%; *n* = 5699). A: ADR vs Withdrawal time across groups defined by insertion time; B: ADR vs Withdrawal time across groups defined by insertion time and age; C: ADR vs Withdrawal time across groups defined by insertion time and sex; D: Withdrawal time across groups defined by insertion time and doctor-level.