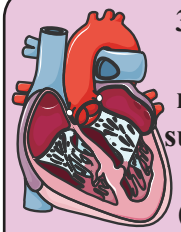
Incidence, risk factor, and outcomes of postoperative pneumonia after redo cardiac surgery



376 patients undergoing redo cardiac surgery in our hospital (2016-2019)

Primary endpoint: postoperative pneumonia

Incidence: 19.1%

Overall mortality: 5.3%

Independent predictors

Age

Chronic obstructive pulmonary disease

Serum creatinine

Intraoperative blood transfusion

Nomogram

Three risk groups

Low risk: <59 points

Medium risk: 59-88 points

High risk: ≥89 points

Internal validation

External validation

Clinical utility

Calibration

Discrimination