

## Liberal or Restrictive Postoperative Transfusion in Patients at High Cardiac Risk



November 8, 2025

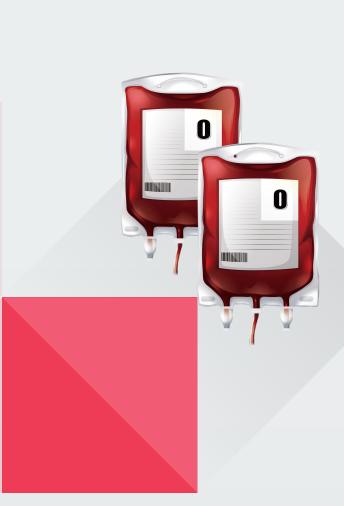
## THE TOP TRIAL

A parallel, single-blind, randomized clinical superiority trial

**714 Patients** 

## LIBERAL **TRANSFUSION**

Transfusion trigger at hemoglobin level <10 g/dL



andom.

Nexerans at high risk or

Doe

Doe Does a liberal transfusion strategy compared with a restrictive strategy decrease the risk of death or major ischemic events after major operations

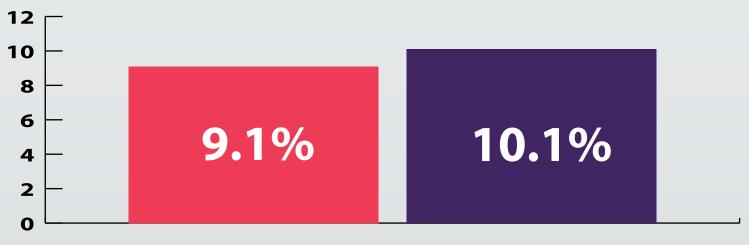
16 VAs



## RESTRICTIVE TRANSFUSION

Transfusion trigger at hemoglobin level <7 g/dL

A composite of all-cause death, myocardial infarction, coronary revascularization, acute kidney failure, or ischemic stroke within 90 days after randomization



RR, 0.90; 95% CI, 0.65-1.24

After major vascular or general surgery operations among patients at high risk of a cardiac event, a liberal transfusion strategy did not reduce 90-day death or major ischemic outcome rates compared with a restrictive strategy