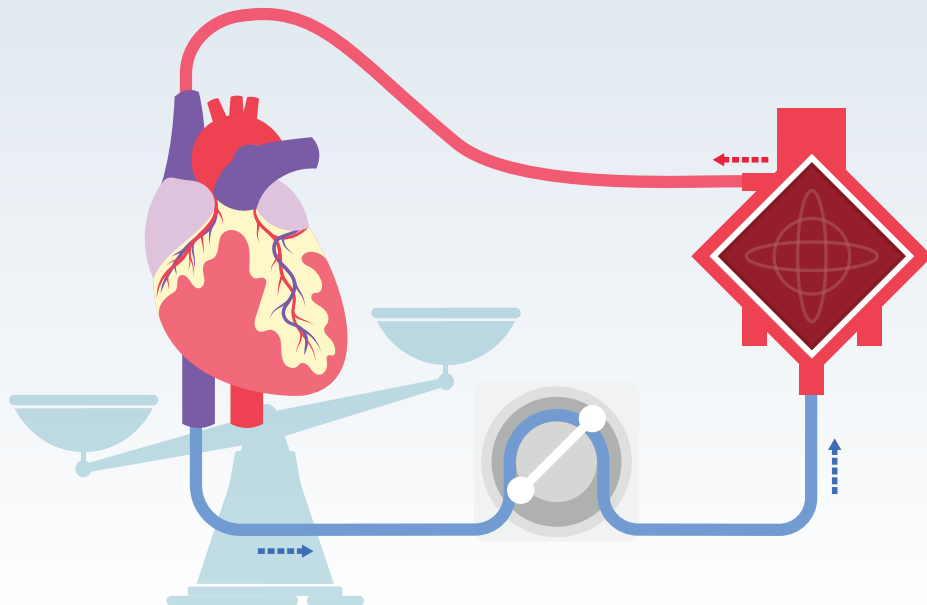


## Low- vs Moderate-Dose Anticoagulation in Venovenous Extracorporeal Membrane Oxygenation: Time for a Randomized Controlled Trial?

### STUDY DESIGN

- Multicenter, randomized pilot trial of 26 critically ill adults on venovenous extracorporeal membrane oxygenation (VV-ECMO) assigned to receive either low-dose (venous thromboembolism prophylaxis dosing) anticoagulation or moderate-intensity anticoagulation (activated partial thromboplastin time 40-60 or Xa 0.2-0.3)
- Primary outcome of major bleeding event was monitored until 24 hours after decannulation

### RESULTS



#### Moderate-Dose Anticoagulation

0 of 14 had thrombotic event  
4 of 14 had major bleeding event

#### Low-Dose Anticoagulation

1 of 12 had thrombotic event  
1 of 12 had major bleeding event

The results of this study demonstrate a feasible and safe approach to enroll and differentiate between anticoagulation strategies for groups of patients on VV-ECMO to complete a randomized controlled trial.