

# Are Outcomes Affected by RBC Transfusion Thresholds in Patients on Venovenous Extracorporeal Membrane Oxygenation?

## STUDY DESIGN

- Single-center, retrospective, observational analysis of 229 patients on venovenous extracorporeal membrane oxygenation (VV-ECMO) in three different cohorts:

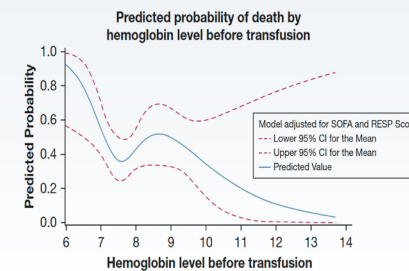
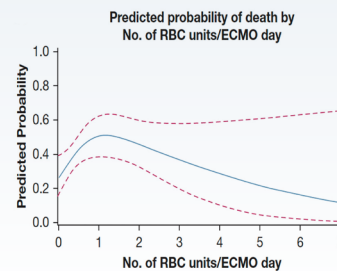
**No threshold cohort**  
(n=91)

**Hemoglobin < 8 g/dL cohort**  
(n=48)

**Hemoglobin < 7 g/dL cohort**  
(n=90)

## RESULTS

- Despite a decrease in transfusions over time, segmented regression showed **no association between implementation of transfusion thresholds and changes in trends in number of RBC units/day**
- Associations with clinical outcomes were mixed



Transfusion thresholds may lead to decreased RBC transfusions in patients on VV-ECMO, but further investigation is needed to determine if specific thresholds confer an overall mortality benefit.