

ARDS Patients with Severe Hypoxemia or Hypercapnia

THE EOLIA TRIAL

Is early initiation of Extracorporeal Membrane Oxygenation (ECMO) associated with reduction of 60-day mortality compared to standard care?

MULTICENTER - RANDOMIZED



64 centers

ECMO



124 Patients

- ✓ Venovenous ECMO
- ✓ Low level ventilation strategy
- ✓ Anticoagulation

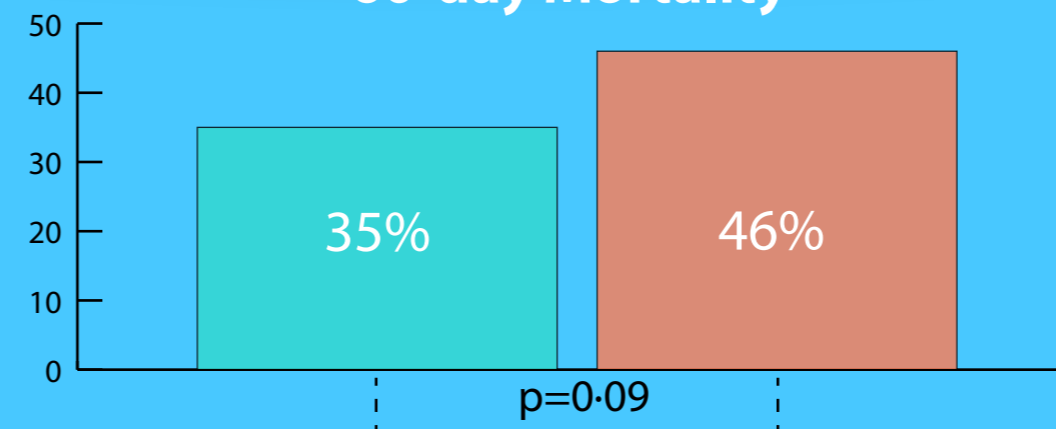
CONVENTIONAL



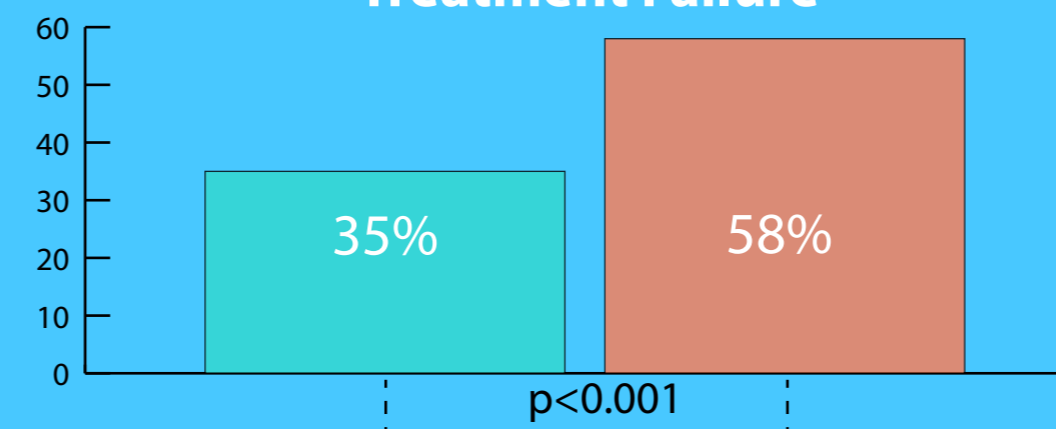
125 Patients

- ✓ Protective lung strategy
- ✓ Adjuvant therapies: high PEEP, recruitment, paralysis, and bicarbonate as needed
- ✓ Cross over for severe hypoxemia

60-day Mortality



Treatment Failure



Early initiation of ECMO did not improve 60-day mortality in severe ARDS patients compared to a strategy of conventional mechanical ventilation and ECMO as a rescue therapy.