

Mechanically-ventilated ARDS Patients with $PO_2/FiO_2 < 200$

THE OSCAR TRIAL

Does high frequency oscillation ventilation improve mortality compared to conventional mechanical ventilation?

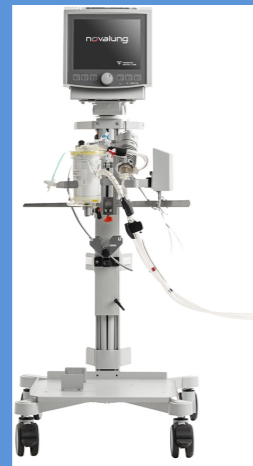
MULTICENTER

RANDOMIZED



29 centers

HFOV



398 Patients

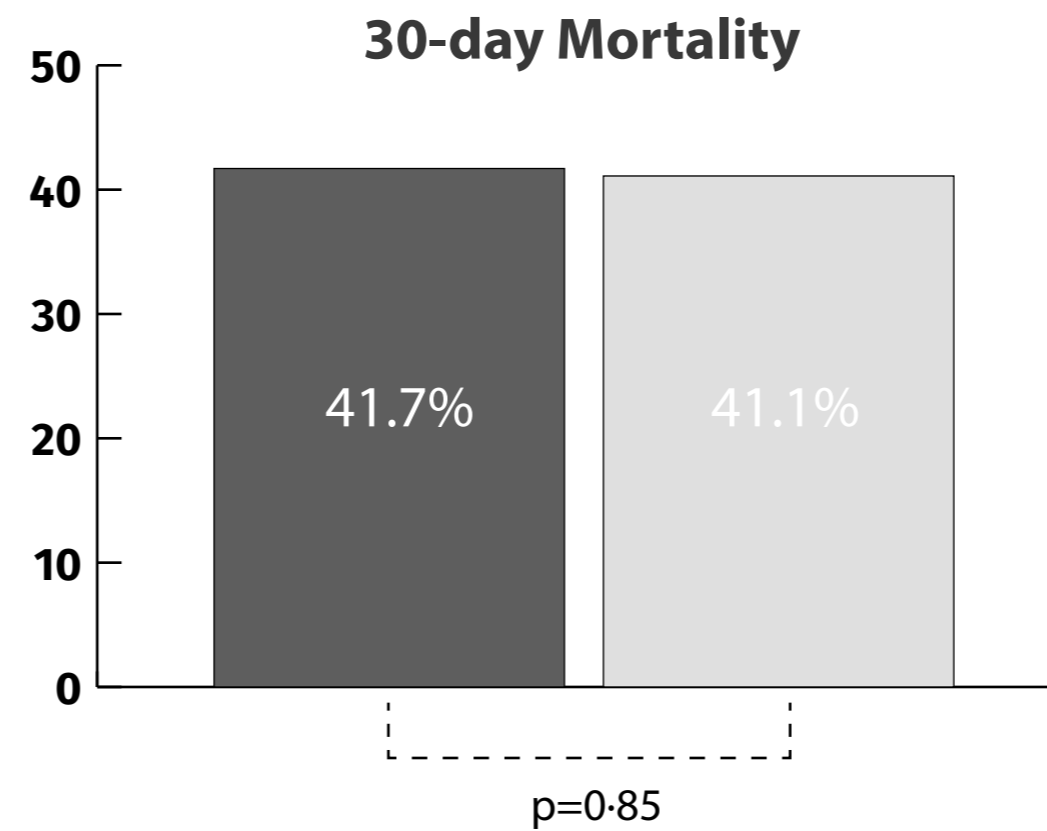
- ✓ Novalung R100 ventilator
- ✓ HFOV settings were changed based on algorithms

CONVENTIONAL



397 Patients

- ✓ Conventional ventilation
- ✓ ARDSnet protocol was encouraged but not mandated



Odd Ratio: 1.03 (95% CI, 0.75 to 1.40; P=0.87)

Oxygenation improved but 30-day mortality was not different between the HFOV group and conventional group in moderate to severe ARDS (as per the new definition).