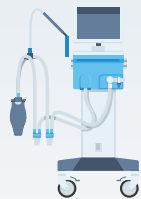


Is Automatic Ventilation Feasible and Comparable With Manual Ventilation During Cardiopulmonary Resuscitation?

STUDY DESIGN

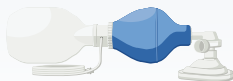
Randomized controlled trial of 60 patients with out-of-hospital cardiac arrest

AUTOMATIC MECHANICAL VENTILATION (MV)



VS

MANUAL BAG VENTILATION (BV)



RESULTS

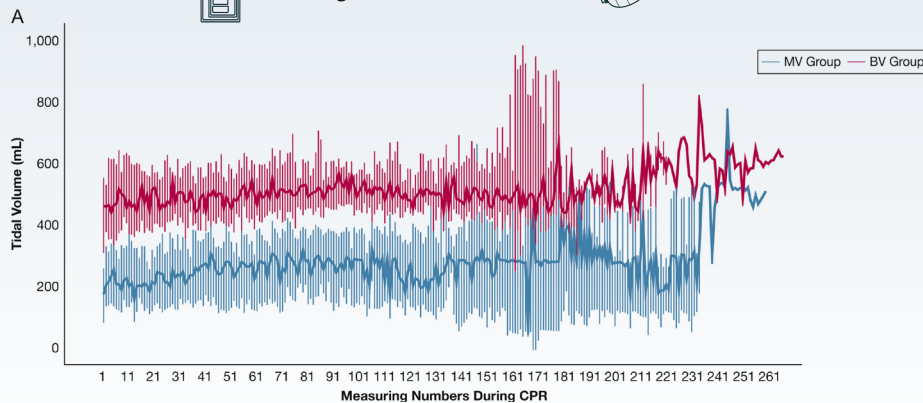
Return of Spontaneous Circulation (ROSC):

56.7% in MV group

43.3% in BV group



No significant difference



Tidal volumes were significantly lower in the MV group

In this pilot trial, the use of MV at a rate of 10 bpm instead of BV during cardiopulmonary resuscitation was feasible and could serve as a viable alternative. Rates of ROSC and arterial blood gas values were similar, but tidal volume was lower in the MV group.