AIRWAY MANAGEMENT IN PATIENTS WITH OUT-OF-HOSPITAL CARDIAC ARREST: TRACHEAL INTUBATION VS. BAG-MASK VENTILATION.

A European, multicenter, randomized controlled trial

CAAM TIAL

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Declaration of interest

- I have nothing to declare

Declaration of Interest

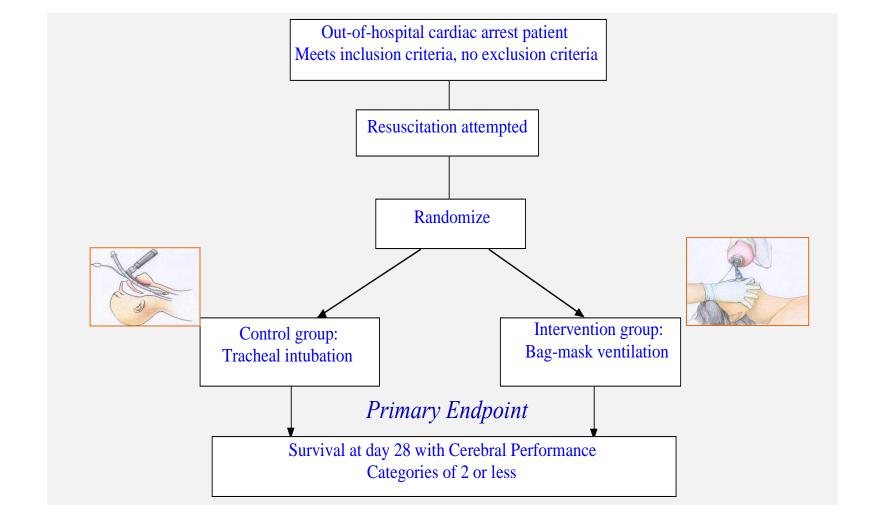
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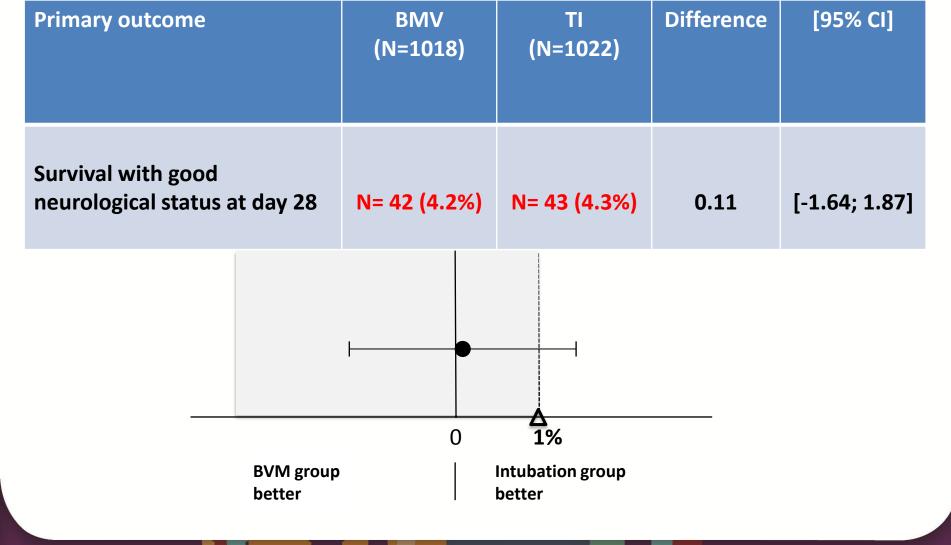
Background

 Benefit of endotracheal intubation (ETI) during CPR is unclear.

 Observational studies suggest Bag-Mask ventilation (BMV) associated with better survival than is ETI

 Quasi-randomized trial in children in US suggest no significant difference in survival or neurologic outcome with ETI vs. BMV





Safety

Item	BVM group	ETI group	р
BVM or ETI failure – no. (%)	64 (6.3)	26 (2.5)	<0.0001
Aspiration or regurgitation of gastric content	152 (14.9)	79 (7.7)	<0.0001

Conclusions

- Our trial was inconclusive regarding the demonstration of non-inferiority of BMV compared with TI for airway management during CPR in OHCA patients
- However, this randomized study did not confirm superiority of BVM reported in observational studies

 On the other hand, BMV is associated with increased complications and difficulty.