

## **Prehospital Intubation**

Does NOT improve neurologic outcome or

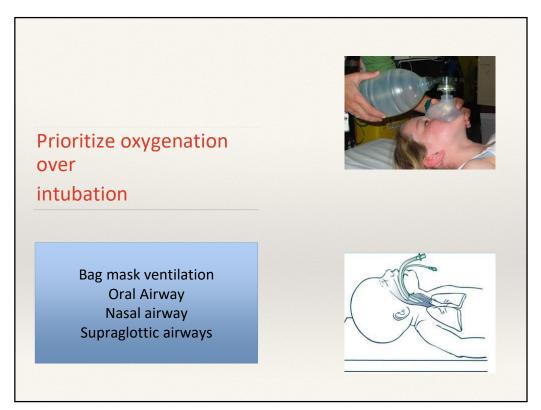


mortality Pediatric - all cause Adult - trauma

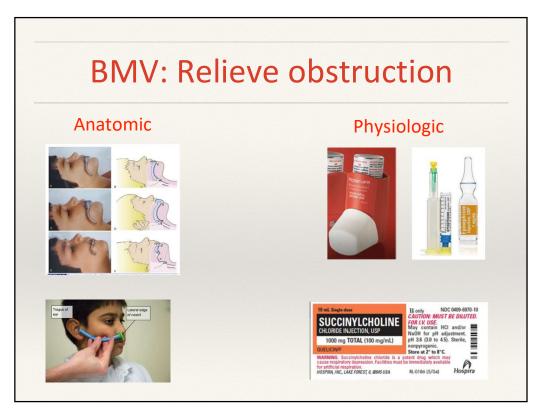


- Effect of out-of- hospital pediatric endotracheal intubation on survival and neurological outcome: a controlled clinical trial. Gausche JAMA 2000
- Prehospital endotracheal intubation for severe head injury in children: a reappraisal. Cooper *Semin Pediatr Surg* 2001
- Intubation of pediatric trauma patients in the field: predictor of negative outcome despite risk stratification. DiRusso *J Trauma* 2005
- Time on the scene and interventions are associated with improved survival in pediatric out-ofhospital cardiac arrest. Tijssen *Resuscitation* 2015
- Pediatric Airway Management and Prehospital Patient Safety. Hansen Pediatr Emer Care 2016
- A systematic review and meta-analysis comparing mortality in pre-hospital tracheal intubation
- to emergency department intubation in trauma patients. Fevang Crit Care 2017







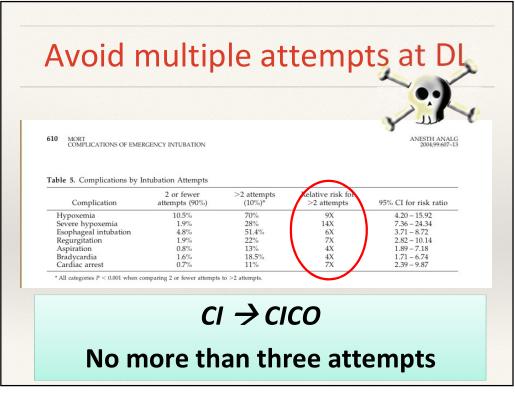


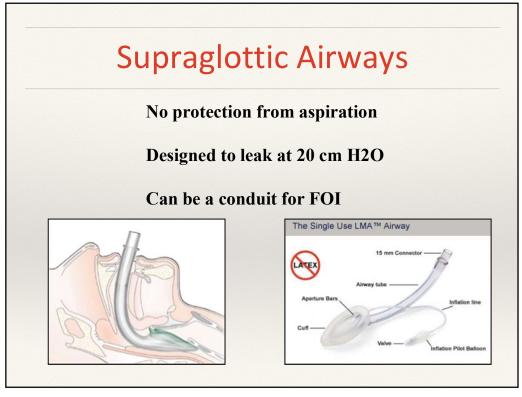
## **Contributors to Difficult MV**

Wired jaw Facial trauma Limited C Spine mobility Halo Poor mask seal Laryngospasm Upper/lower airway tumor Blood/secretions/pus Upper/lower airway collapse

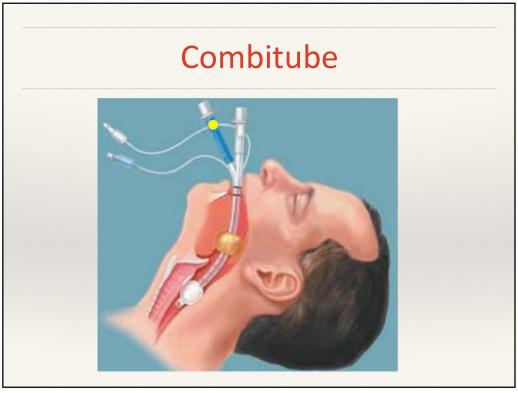


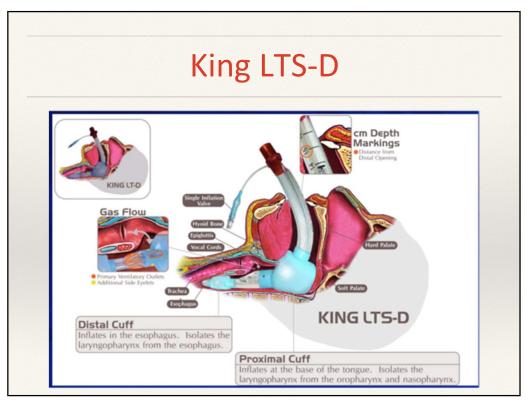
- Cervical SCI in <1% of pediatric trauma
- Trisomy 21, achondroplasia, MPS
- Hyperangulated VL *may* cause less motion during TI than DL
- In extremis weigh risk of respiratory arrest against SCI exacerbation

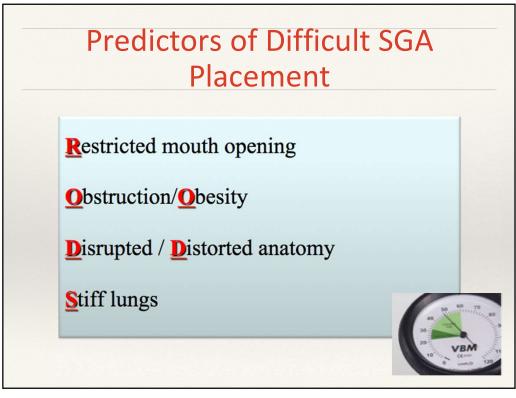


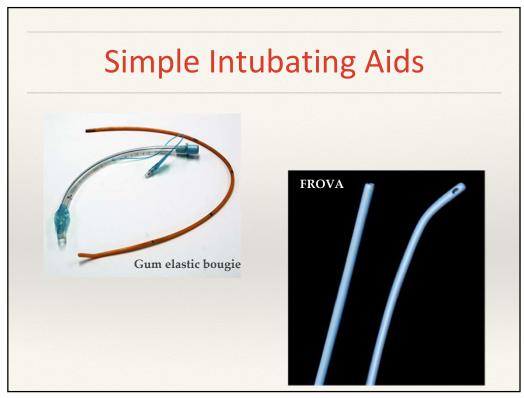


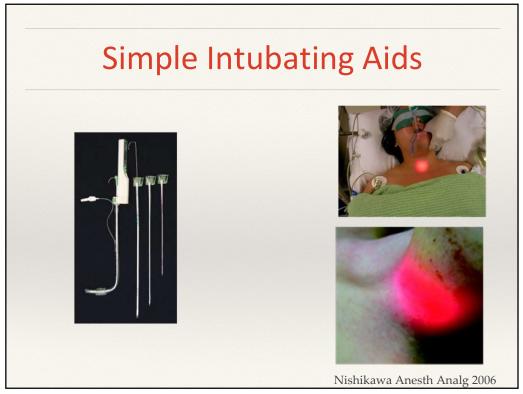


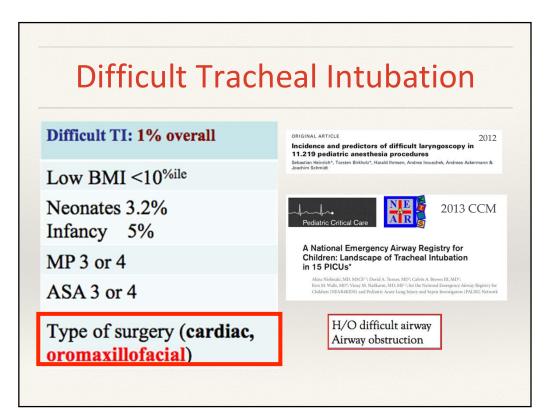


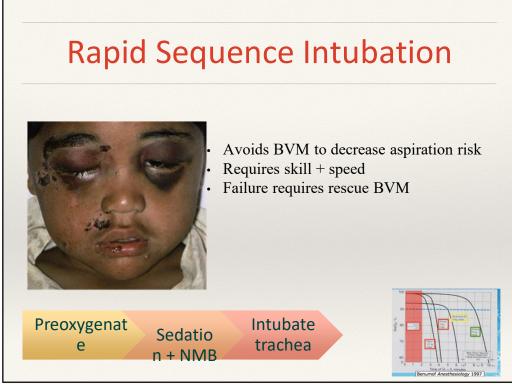


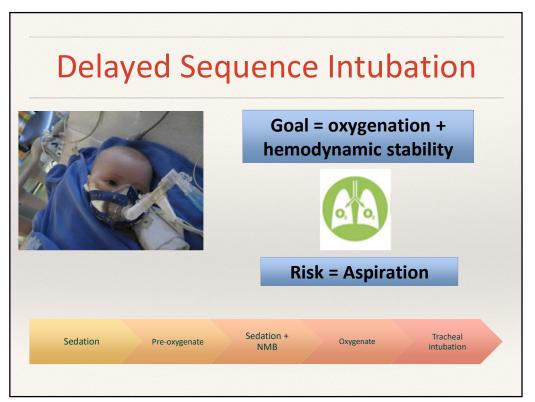


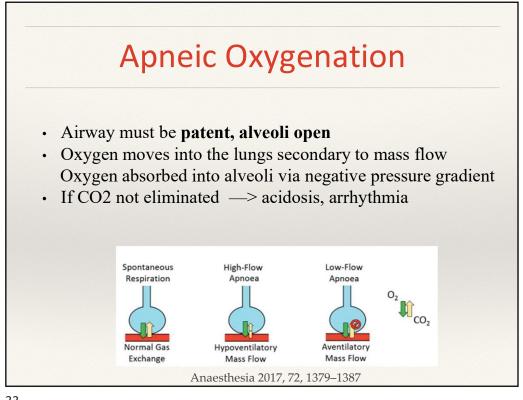


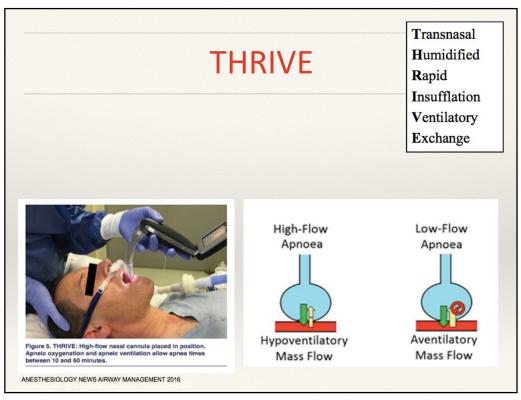


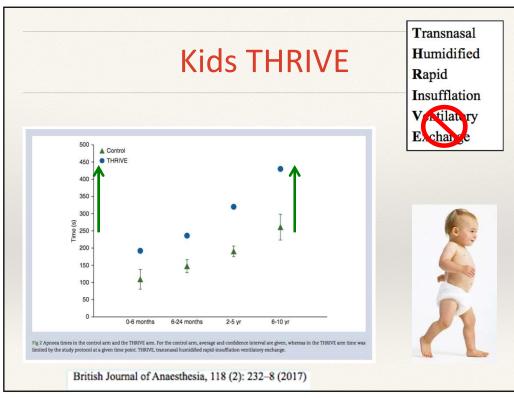


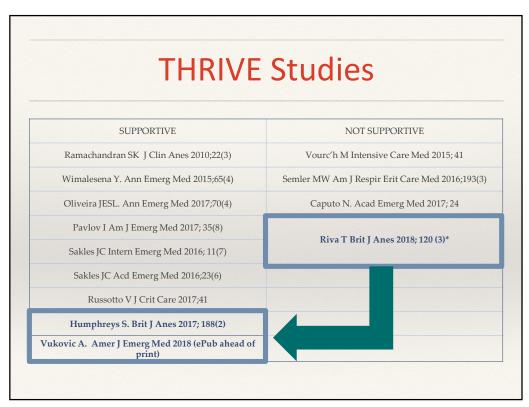


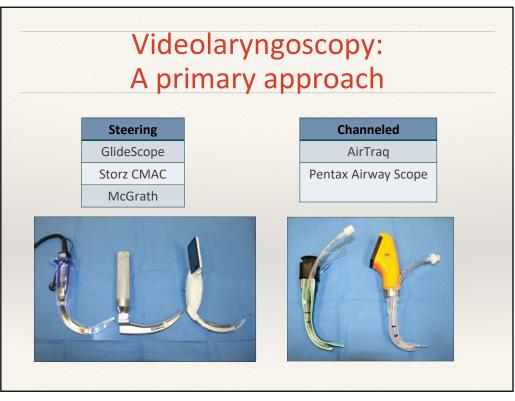


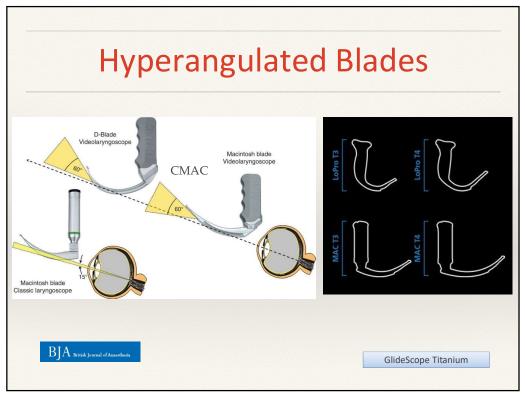










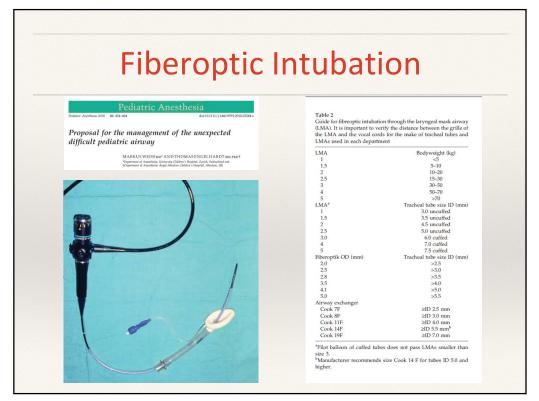


## VL in Children: Caution Advised





Does not increase TI success in children <1 year or 10kg May complicate an easy airway





Contraindications to F	
Absolute	Relative
Life threatening airway obstruction	Secretions/blood in airway
	Restricted pharyngeal space
	Friable UAW tumor
	Pointing abscess UAW

