

# RAPID SEQUENCE INTUBATION

## INDICATIONS:

Head injuries  
Respiratory failure  
Airway trauma

## SEVEN 'P's':

Preparation- assess pt.- ? difficult BVM

**Intubation-** Mallampati grade  
'3,3,2'- 3 fingers mouth opening  
3 fingers mentum to hyoid  
2 fingers hyoid to thyroid  
Neck mobility

IV x2, monitors- O2 sat, cardiac, BP

**Equipment-** laryngoscope-MacIntosh 3 and 4, Glidescope  
suction x2  
tubes, syringe, stylette  
oral airway, BVM

**Drugs-** pretreatment  
induction  
paralysis

? backup plan

**Preoxygenation-** 3-5min of 100% O2 or  
8 vital capacity breaths

**Pretreatment-**

<b>Indications</b>	A- asthma-	lidocaine
	B- brains / babies	lidocaine, Fentanyl/ atropine
	C- cardiovascular	Fentanyl
<b>Drugs-</b>	Lidocaine- 1.5mg/kg IV	contra- hi grd block
	Opiates- Fentanyl 3mcg/kg	contra- hypotension
	Atropine- 0.02mg/kg	
	Dexamethaxone ?	

## Paralysis/ Induction-

**Induction-** **Etomidate-** least hemodynamic effects, reduced cerebral O2 demands  
myoclonus, adrenal suppression

**dose-** 0.3mg/kg IV

**Versed-** antiseizure  
slow onset, moderate hypotension

**dose-** 0.2mg/kg IV

**Ketamine-** dissociative- good for 'quick look', bronchodilator  
increased HR and BP, ? increased ICP

**dose-** 1-2mg/kg IV

**Propofol-** amnestic, but hypotension is significant, stings

**Pentothal-** antiseizure, but significant hypotension

**Paralysis- Succinyl choline-** rapid and reliable  
fasciculations, trismus  
**contraindicated-** hyperkalemia in susceptible pts (>72hrs  
after burns, CVA, sp. cord, crush injuries;  
MD,MS,ALS, rhabdomyolysis)  
malignant hyperthermia  
**dose-** 1.5-2mg/kg IV  
**Rocuronium-** non-depolarizing, use if sux not an option  
slower onset, less reliable  
**dose-** 1mg/kg

**Protection and Positioning-** cricoid pressure  
avoid BVM

**Placement and Proof-** insert tube  
inflate cuff  
remove stylette  
**confirm placement-** EtCO<sub>2</sub> – (unreliable in arrest)  
alternate methods eg. suction

**Post Intubation-** secure tube  
CXR  
**Sedation-** Versed 0.05-0.4mg/kg/hr  
**Paralysis** Rocuronium 0.1mg/kg boluses q30min  
**Pain control**  
**Ventilator**

**Reference:** Up to Date- Rapid Sequence Induction in Adults