

RSI Useful Numbers

ETT Size

Adult Male	8-8.5
Adult Female	7-7.5
Paed	(Age/4)+3 (cuffed)

ETT Depth

Adult	22-24 cm at teeth
Paed	Age+10 cm at teeth

Manual Ventilation Rates (breaths/min)

Neonate = 40-60	
1 yr old = 20	Age 10 = 14
4 yr old = 16	Adult = 10



Initial Ventilator settings (per 'ideal body weight')

Adult	5-8ml/kg (~ 500ml) per breath	Paed	5-8ml/kg
	12-16 breaths/minute		15-20 breaths/min

Arterial Gases $PaCO_2 \approx \text{End-tidal } CO_2 + 2-5\text{mmHg}$

$PaCO_2 >45$ = hypoventilation

$PaCO_2 <35$ = hyperventilation

Maintenance Sedation (titrate)

Midazolam - Infusion 2-4mg/hr (Adult) **or** Bolus 0.025-0.1mg/kg q 30-60 min
eg. ~2-5mg in a 70kg patient

Maintenance Analgesia (titrate)

Fentanyl - Infusion 1-10mcg/kg/hr **or** Bolus 0.5-2mcg/kg q 20-30 min
eg. ~50-100mcg in a 70kg pt.

OR

Morphine - Infusion 2-4 mg/hr (Adult) **or** Bolus 0.025-0.1mg/kg q 20-30 min
eg. ~2-5mg in a 70kg patient

OR

Ketamine - Infusion 1-2mg/min **or** Bolus 0.5-1mg/kg
Paed (>3m of age) 5-20mcg/kg/min [Ketamine = Sedation & Analgesia]

Maintenance Paralysis (ENSURE PATIENT IS SEDATED)

Rocuronium - Infusion 0.3 - 0.6 mg/kg/hr **or** Bolus 0.1-0.2mg/kg q 20-30min