Royal Hospital for Sick Children Yorkhill, Emergency Department

Intubation Drugs

Induction Agents

Drug	Dose	How to make up	Final concentration	Comments
Ketamine	1-2mg/kg	Do not dilute- **N.B. 2 different concentrations**	10mg/ml or 50mg/ml	-Preserves blood pressure -Increases secretions
Thiopentone	1-5mg/kg	Add 20ml of water for injection to 500mg vial	25mg/ml	Particularly useful in head injuries and seizures
Propofol 1%	2mg/kg	Do not dilute	10mg/ml	Causes hypotension

Muscle Relaxants

Drug	Dose	How to make up	Final concentration	Comments
Suxamethonium	2mg/kg	Do not dilute	50mg/ml	Avoid in hyperkaelaemia & burns patients
Rocuronium	1mg/kg	Do not dilute	10mg/ml	Caution Severe hepatic & renal failure
Vercuronium	0.2mg/kg	Add 10mls of water for injection to 10mg vial	1mg/ml	Caution Severe hepatic & renal failure

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Sedative Drugs

Drug	Dose	How to make up	Final concentration	Comments
Midazolam (10mg/2ml)	0.1mg/kg	Add 8ml of water for injection to 10mg/2ml vial	1mg/ml	Hypotension
Morphine	0.1mg/kg	Add 9ml of water for injection to 10mg/ml vial	1mg/ml	Hypotension, reduced conscious level
Fentanyl	2mcg/kg	Add 8ml of N Saline to 100mcg/ 2ml vial	10mcg/ml	Short duration of action

Resuscitation Drugs

Drug	Dose	How to make up	Final concentration	Comments
Adrenaline in **hypotension**	0.1ml/kg of 1:100,000	Aspirate 1ml from minijet and dilute with 9ml of N saline	0.01mg/ml	Sometimes referred to as *"magic adrenaline"*
Adrenaline in **Cardiac arrest**	0.1ml/kg of 1:10,000	Aspirate from minijet and give undiluted	0.1mg/ml	
Atropine	0.02mg/kg	Do not dilute	600mcg/ml	
Calcium Chloride 10%	0.2ml/kg	Do not dilute	0.7mmol/ml	Give through a separate line to Sodium Bicarbonate
Sodium Bicarbonate 8.4%	1-2mmol/kg	Do not dilute		Give through a separate line to Calcium chloride
Tranexamic Acid 500mg/5ml	15mg/kg	Draw up dose and then add 0.9% Saline to make up to 10mls and give slow bolus over 5 minutes		Used in trauma cases and those with significant blood loss