INTRAVENOUS STAT DOSES

75 kg

Note: Ideal or adjusted body weight should be used where clinically appropriate

Diluents:
NS = Sodium Chloride 0.9%, G5 = Glucose 5%, WFI = Water for Injections

● = Central or intraosseus route only
CD = Controlled drug
Maximum doses highlighted in red

Intubation/Induction

Drug	Dose/kg		Calculated Dose		Dilution
Atracurium besilate	0.5 mg/kg		37.5 mg		Neat or with NS/G5 to convenient vol.
Atropine sulfate	20 microg/kg		600 microg		Neat or with NS/G5 to convenient vol.
Fentanyl CD	1 - 5 microg/kg		75 - 200 microg		Neat or with NS/G5 to convenient vol.
Ketamine CD	1 - 2 mg/kg		75 - 150 mg		Neat or with NS/G5 to convenient vol.
Midazolam CD	0.1 - 0.2 mg/kg		5 mg		Neat or with NS/G5 to convenient vol.
Rocuronium bromide	0.6 - 1 mg/kg		45 - 75 mg		Neat or with NS/G5 to convenient vol.
Suxamethonium chloride	2 mg/kg		100 mg		Neat or with NS/G5 to convenient vol.
Thiopental sodium	2 - 5 mg/kg		150 - 375 mg		Reconstitute to 25mg/mL with 20mL NS/G5/WFI

Fluid Bolus

Dose/kg	Calculated Volume
10mL/kg	750 mL
5mL/kg	375 mL

Maintenance Fluids

%	Daily Allowance	Rate
100%	2000 mL/day	83.3 mL/hr
75%	1500 mL/day	62.5 mL/hr
50%	1000 mL/day	41.7 mL/hr

Cardiac Arrest/Arrhythmias

Drug	Dose/kg		Calculated Dose		Administer Over	Dilution
Adenosine	0.1 - 0.5 mg/kg		3 - 12 mg		2 seconds	Neat or dilute to 0.5mg/mL with 6mL NS
Adrenaline (1:10,000) [100microg/mL]	0.01 mg/kg		0.75 mg		Rapid injection	Neat
Amiodarone hydrochloride cardiac arrest	5 mg/kg		300 mg		3 minutes	Neat or dilute to 7.5 - 15mg/mL with G5
loading dose - arrhythmias	5 - 10 mg/kg		300 mg		20 minutes - 2 hours	Dilute to 0.6 - 2.4mg/mL with G5
Calcium GLUCONATE 10% [0.22mmol/mL]	0.11 mmol/kg		6.75 mmol		5 - 10 minutes	Neat or dilute each 1mL with 4mL of NS/GS
Glucose 10%	2 mL/kg		150 mL		2 - 5 minutes	Neat
Magnesium sulfate 50% [500mg/mL]	25 - 50 mg/kg		1875 - 2000 mg		20 minutes	Dilute each 1mL with 4mL of NS/G5
● **Potassium chloride 15% [2mmol/mL]** CD	0.4 mmol/kg		20 mmol		1 hour	Dilute to 0.5mmol/mL with NS (preferred)/G5
Sodium bicarbonate 8.4% [1mmol/mL]	1 mmol/kg		50 mmol		Rate of 10mmol/min	<2 years: dilute with equal vol. of NS/G5/WFI

Seizures/Intracranial Pressure

Drug	Dose/kg		Calculated Dose		Adminster Over	Dilution
Lorazepam CD	0.1 mg/kg		4 mg		Rapid injection over 1 minute	Dilute to 2mg/mL with equal volume of NS/G5
Levitiracetam	40 mg/kg		3 g		5 minutes	Dilute to 50mg/mL (neonates: 100mg/mL) with NS/G5
Phenobarbital CD	20 mg/kg		1 g		20 minutes	Dilute to 20mg/mL with WFI
Phenytoin	20 mg/kg		1.5 g		Rate of 50mg/min	Dilute to 5-10mg/mL with NS (use 0.22-0.5micron filter)
Sodium chloride 2.7 - 3%	3 - 5 mL/kg		225 - 375 mL		10 - 15 minutes	Neat (2.7% preferred as pre-made solution)
Mannitol 20%	0.25 - 1 g/kg		93.8 - 375 mL		15 - 30 minutes	Neat (15micron filter recommended)

Asthma

Drug	Dose/kg		Calculated Dose		Adminster Over	Dilution
Magnesium sulfate 50% [500mg/mL]	40 mg/kg		2 g		Over 20 minutes	Dilute to 20mL with NS
Salbutamol 1-23 months	5 microg/kg		250 microg		5-10 minutes	Dilute to 5mL with NS/G5
over 2 years	15 microg/kg		250 microg		5-10 minutes	Dilute to 5mL with NS/G5

INTRAVENOUS INFUSIONS

75 kg

Affix Patient Label Here

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Inotropes/Vasoactives

Infusion		Drug Amount	Diluent	Total Volume	Dose	Rate
● **Adrenaline (1:1000)** [1mg/mL]	central	16 mg	NS or G5	50 mL	0.1 - 1.5 microg/kg/min	1.41 mL/hr = 0.1 microg/kg/min
Adrenaline (1:1000) [1mg/mL]	peripheral	16 mg	NS or G5	500 mL	0.1 - 1.5 microg/kg/min	14.06 mL/hr = 0.1 microg/kg/min
● **Amiodarone hydrochloride**		120 mg	G5	50 mL	5 - 25 microg/kg/min	18.75 mL/hr = 10 microg/kg/min
Dinoprostone (Prostin®)	neonates only					
● **Isoprenaline**	under 12 years	2.25 mg	G5	50 mL	0.02 - 1 microg/kg/min	10 mL/hr = 0.1 microg/kg/min
	over 12 years	3 mg	G5	50 mL	0.5 - 20 microg/min	1 mL/hr = 1 microg/min
Milrinone	peripheral	10 mg	NS or G5	50 mL	0.25 - 0.75 microg/kg/min	11.25 mL/hr = 0.5 microg/kg/min
● **Noradrenaline**	central	16 mg	NS or G5	50 mL	0.1 - 1.5 microg/kg/min	1.41 mL/hr = 0.1 microg/kg/min
Noradrenaline	peripheral	8 mg	NS or G5	500 mL	0.1 - 1.5 microg/kg/min	28.13 mL/hr = 0.1 microg/kg/min
● **Vasopressin (argipressin)**		50 units	NS or G5	50 mL	0.0003 - 0.002 units/kg/min	1.35 mL/hr = 0.0003 units/kg/min

Sedatives/Analgesics/Muscle Relaxants

Infusion		Drug Amount	Diluent	al Volume	Dose	Rate
Fentanyl CD		2500 microg	Neat	50 mL	1 - 10 microg/kg/hr	1.5 mL/hr = 1 microg/kg/hr
● **Ketamine** CD	central	2250 mg	NS or G5	50 mL	10 - 45 microg/kg/min	1 mL/hr = 10 microg/kg/min
Ketamine CD	peripheral	500 mg	Neat	50 mL	10 - 45 microg/kg/min	6.75 mL/hr = 15 microg/kg/min
Morphine CD		50 mg	NS or G5	50 mL	5 - 60 microg/kg/hr	1.5 mL/hr = 20 microg/kg/hr
Midazolam CD		100 mg	NS or G5 or Neat	50 mL	0 - 10 mg/hr	1 mL/hr = 2 mg/hr
Propofol 1%	maximum 12 hours	500 mg	Neat	50 mL	75 - 200 mg/hr	10 mL/hr = 100 mg/hr
Rocuronium bromide		500 mg	Neat	50 mL	300 - 1000 microg/kg/hr	7.5 mL/hr = 1000 microg/kg/hr

Bronchodilators

Infusion		Drug Amount	Diluent	al Volume	Dose	Rate
Aminophylline	loading dose	500 mg	NS	500 mL	450 mg (6mg/kg)	450 mL over 20 minutes
followed by	under 12 years	500 mg	NS	500 mL	1 mg/kg/hr	75 mL/hr = 1 mg/kg/hr
	over 12 years	500 mg	NS	500 mL	0.5 - 0.7 mg/kg/hr	37.5 mL/hr = 0.5 mg/kg/hr
Magnesium sulphate 50% [500mg/mL]		5 g	G5	50 mL	2 g/hr	20 mL/hr over 4 hours
Salbutamol	peripheral	10 mg	NS or G5	50 mL	20 microg/min	6 mL/hr = 20 microg/min
monitor for extravasation						

Disclaimer: All medicines to be given INTRAVENOUSLY unless otherwise stated. It is the responsibility of the clinician to ensure drugs are used appropriately according to the clinical situation and doses double checked. NWTS/ODN does not accept any liability. Use of these monographs is at the clinician's own risk. Due to stock shortages and regional variation in available preparations, not every dose can be rounded to a measurable volume - clinical judgement is required to determine the most appropriate dose.

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