

## Adult Critical Care IV Medication Infusion Sheet

DRUG	CONCENTRATION	FLUID	DOSING (may vary based on clinical judgement / individual parameters)	PUMP MAX
<b>Amiodarone<sup>1</sup></b> <b>**Crash Cart vial</b> (150 mg /3mL)	150 mg /100 mL premix (1.5 mg/mL bolus)  360 mg /200 mL premix (1.8 mg/mL)	D5W	<b>Bolus:</b> 150 mg over 10 min. <b>Usual Dose:</b> 1 mg/min for 6 hr, then 0.5 mg/min for 18 hr, then per IMCC / Cardiology for oral therapy	1 mg/min
<b>Cisatracurium<sup>1,2</sup></b> (Nimbex) <b>**Paralyzing Agent**</b>	200 mg /100 mL (2 mg/mL)	Undiluted	<b>Load:</b> 100 to 200 mcg/kg <b>Usual Dose:</b> 1 – 3 mcg/kg/min <b>Titration:</b> 0.5 mcg/kg/min every 30 min to maintain 1 to 2 twitches on train of 4. Titrate sedation to maintain BIS < 50. Do not exceed 10 mcg/kg/min.	10 mcg/kg/min
<b>Dexmedetomidine<sup>1</sup></b> (Precedex)	400 mcg /100 mL premix (4 mcg/mL)	D5W / NS	<b>Usual Dose:</b> 0.2 – 1.5 mcg/kg/hr <b>Titration:</b> 0.2 mcg/kg/hr every 30 min to achieve RASS score of 0 to -1	1.5 mcg/kg/hr
<b>Diltiazem<sup>1</sup></b> (Cardizem)	125 mg /125 mL (1 mg/mL)	D5W / NS	<b>Bolus:</b> 0.25 mg/kg over 2 min <b>Usual Dose:</b> 5 – 15 mg/hr <b>Titration:</b> 5 mg/hr every 15 min to achieve HR < 110 bpm	16 mg/hr (soft max)
<b>DOBUTamine<sup>1,2</sup></b> (Dobutrex)	500 mg /250 mL premix (2 mg/mL)  <b>CONCENTRATED</b> 1000 mg / 250 mL (4 mg/mL)	D5W / NS	<b>Usual Dose:</b> 2.5 – 20 mcg/kg min <b>Titration:</b> 2.5 mcg/kg/min every 10 min to achieve MAP ≥ 65 mmHg	30 mcg/kg/min
<b>DOPamine<sup>1</sup></b> <b>**Crash Cart</b> 400 mg/250 mL premix	400 mg /250 mL premix (1.6 mg/mL)  <b>CONCENTRATED</b> 800 mg /250 mL premix (3.2 mg/mL)	D5W / NS	<b>Usual Dose:</b> 5 – 20 mcg/kg min <b>Titration:</b> 5 mcg/kg/min every 10 min to achieve MAP ≥ 65 mmHg	40 mcg/kg/min
<b>EPINEPHrine<sup>2</sup></b> <b>**Crash cart vial</b> (1mg /1mL)	4 mg /250 mL (16 mcg/mL)  <b>CONCENTRATED</b> 16 mg /250 mL (64 mcg/mL)	D5W / NS	<b>Usual Dose:</b> 0.01 – 0.5 mcg/kg/min <b>Titration:</b> 0.01 mcg/kg/min every 10 min to achieve MAP ≥ 65 mmHg	0.6 mcg/kg/min (soft max)
<b>Esmolol<sup>1</sup></b> (Brevibloc)	2500 mg /250 mL premix (10 mg/mL)	Premix D5W / NS	<b>Bolus:</b> 500 mcg/kg over 1 min <b>Usual Dose:</b> 50 – 300 mcg/kg/min <b>Titration:</b> 50 mcg/kg/min every 10 min to achieve HR < 100 bpm. Hold if SBP < 90 mmHg.	330 mcg/kg/min
<b>FentaNYL<sup>2</sup></b>	1000 mcg /100 mL premix (10 mcg/mL)	D5W / NS	<b>Usual Dose:</b> 50 – 200 mcg/hr <b>Titration:</b> 25 mcg/hr every 30 min to achieve RASS of 0 to -1	200 mcg/hr
<b>Heparin<sup>1</sup></b>	25000 units /250 mL premix (100 units/mL)	Premix D5W / NS ½ NS	Per weight-based heparin infusion Orders	30 units/kg/hr
<b>Insulin<sup>1</sup></b>	100 units /100 mL premix (1 unit/mL)	Premix D5W / NS	Per Intrapartal / Postpartal Insulin Orders	12 units/hr
<b>InsulinPerKg<sup>1</sup></b>	100 units /100 mL premix (1 unit/mL)	Premix D5W / NS	Adjusted per Orders	0.12 units/kg/hr
<b>Ketamine<sup>1</sup></b>	500mg /250 mL (2 mg/mL)	D5W / NS	<b>Load:</b> 0.1 – 0.5 mg/kg <b>Usual Dose:</b> 0.2 – 0.5 mg/kg/hr <b>Titration:</b> 0.1 mg/kg/hr every 15 min to achieve a target RASS of 0 to -1 in mechanically ventilated patients. Do not exceed 2.5 mg/kg/hr.	2.5 mg/kg/hr (soft max)
<b>Lidocaine<sup>1</sup></b> <b>**Crash Cart</b>	2 g /250 mL premix (8 mg/mL)	Premix D5W	<b>Bolus:</b> 1.5 mg/kg, repeat 0.5 – 0.75 mg/kg every 5 – 10 min to max dose of 3 mg/kg. <b>Usual Dose:</b> 1 – 4 mg/min	5 mg/min

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<b>LORazepam<sup>2</sup></b> (Ativan)	100 mg /100 mL (1 mg/mL)	D5W or NS	<b>Usual Dose:</b> 0.5 – 4 mg/hr <b>Titration:</b> 0.5 mg/hr every 30 min to achieve a RASS of 0 to -1	4 mg/hr
<b>Midazolam<sup>2</sup></b> (Versed)	100 mg /100 mL (1 mg/mL)	D5W or NS	<b>Usual Dose:</b> 1 – 8 mg/hr <b>Titration:</b> 0.5 mg/hr every 10 min to achieve a RASS of 0 to -1	8 mg/hr
<b>Milrinone<sup>1</sup></b>	20 mg /100 mL premix (200 mcg/mL)	Premix D5W	<b>Bolus:</b> 50 mcg/kg over 10 min <b>Usual Dose:</b> 0.375 – 0.75 mcg/kg/min <b>Titration:</b> 0.005 mcg/kg/min every 10 min to achieve desired response	0.8 mcg/kg/min
<b>NiCARdipine<sup>1</sup></b> (Cardene)	40 mg /200 mL premix (0.2 mg/mL)	Premix D5W / NS	<b>Usual Dose:</b> 5 – 15 mg/hr <b>Titration:</b> 2.5 mg/hr every 10 min to maintain SBP of 160 – 180 mmHg. Decrease rate to 3 mg/hr once desired BP reached.	15 mg/hr (soft max)
<b>Nitroglycerin<sup>1</sup></b>	50mg /250mL premix (200 mcg/mL)	Premix D5W	<b>Usual Dose:</b> 10 – 200 mcg/min <b>Titration:</b> 5 or 10 mcg/min every 10 min to achieve SBP of 160 – 180 mmHg or desired effect	80 mcg/min (soft max)
<b>Nitroprusside<sup>1</sup></b>	50mg /250mL (200 mcg/mL) Protect from light.	D5W	<b>Usual Dose:</b> 0.1 – 10 mcg/kg/min <b>Titration:</b> 0.5 mcg/kg/min every 10 min to achieve SBP of 160 – 180 mmHg	10.5 mcg/kg/min
<b>Norepinephrine<sup>2</sup></b> (Levophed)	4 mg /250mL premix (16 mcg/mL)  8 mg/250 mL (32 mcg/mL)  <b>CONCENTRATED</b> 32 mg /250mL (128 mcg/mL)	D5W / NS	<b>Usual Dose:</b> 0.1 – 0.5 mcg/kg/min <b>Titration:</b> 0.1 mcg/kg/min every 10 min to achieve MAP ≥ 65 mmHg	3 mcg/kg/min
<b>Phenylephrine<sup>2</sup></b> (Neosynephrine)	10 mg /250 mL (40 mcg/mL)  <b>CONCENTRATED</b> – central line 100 mg/250mL (400 mcg/mL)	D5W / NS	<b>Usual Dose:</b> 2 – 10 mcg/kg/min <b>Titration:</b> 0.5 mcg/kg/min every 10 min to achieve MAP ≥ 65 mmHg	10 mcg/kg/min
<b>Propofol<sup>2</sup></b> (Diprivan)	1000 mcg /100 mL (10 mg/mL) Replace every 12 hrs	Premix	<b>Usual Dose:</b> 5 – 50 mcg/kg/min <b>Titration:</b> 5 mcg/kg/min every 10 min to achieve RASS of 0 to -1	55 mcg/kg/min
<b>Rocuronium<sup>2</sup></b> <b>**Paralyzing Agent**</b>	500 mg /50 mL (10 mg/mL)	Undiluted	<b>Usual Dose:</b> 8 – 12 mcg/kg/min <b>Titration:</b> 0.8 mcg/kg/min every 60 min to maintain 1 to 2 twitches on train of 4.	
<b>Vasopressin<sup>2</sup></b> <b>**Crash cart vial</b> (20 units /1mL)	100 units /100 mL (1 unit/mL)	D5W / NS	<b>Usual Dose:</b> 0.02 – 0.04 units/min	0.8 units/min
<b>Vecuronium<sup>1</sup></b> (Nocuron) <b>**Paralyzing Agent**</b>	50 mg /50mL (1 mg/mL)	D5W / NS	<b>Bolus:</b> 100 mcg/kg <b>Usual Dose:</b> 0.8 – 1.7 mcg/kg/min <b>Titration:</b> 0.3 mcg/kg/min every 10 min to maintain 1 to 2 twitches on train of 4	1.7 mcg/kg/min