

IV DRUGS REQUIRING ADMINISTRATION IN CRITICAL CARE AREAS AND MONITORING FOR ADULTS

Listing is by alphabetical generic drug name, except antivenoms which are listed as a class.

- All drugs are to be administered by volumetric pump or syringe pump, following BHS Drug Guidelines where they exist. For drugs without a guideline check the Australian Injectable Drugs Handbook- current edition ('Yellow Book') for further information, including if any other monitoring (e.g. for anaphylaxis) is required.
- All patients require monitoring for any adverse reaction arising from the IV administration of any drug.

Exclusions

- MET calls, Code Blue and Obstetric emergency

Drugs not listed;

- Chemotherapeutic drugs- contact Oncology
- Radiology specific pharmaceuticals (e.g. contrasts) – contact Radiology for further information

Class	Medical Role	Nursing Allocation and Monitoring	Drug
A	Medical Officer trained in intubation and resuscitation administers drug and remains at bedside.	1:1 care by CCRN (does not administer drug). Continuous ECG monitoring and blood pressure monitoring <u>mandatory</u> . Resuscitation trolley (or equivalent) and facilities for invasive ventilation available at bedside.	Alfentanil (bolus) Atracurium (bolus) Cisatracurium (bolus) Dinoprost (Prostin F2 Alpha®)- (infusion) Ergometrine (bolus) Ketamine (bolus) For use in ED - see CPP. Mivacurium (bolus) Midazolam (bolus for anaesthetic induction and conscious sedation) Oxytocin (bolus) Pancuronium (bolus) Phenobarbital (phenobarbitone) Propofol (bolus) Remifentanil (bolus) Rocuronium (bolus) Thiopentone (bolus) Sugammadex (bolus) Suxamethonium (bolus) Vecuronium (bolus)

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CPP0544 Appendix Two IV drugs requiring administration in critical care areas and monitoring for adults

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Class	Medical Role	Nursing Allocation and Monitoring	Drug
B	Medical Officer at bedside, within critical care area or readily available within hospital.	1:1 care by CCRN. Continuous ECG monitoring and blood pressure monitoring <u>mandatory</u> . Resuscitation trolley (or equivalent) and facilities for invasive ventilation available.	Adenosine (Medical Officer must be at bedside)-See Drug Guideline Adrenaline (epinephrine) (bolus) All Antivenoms Alfentanil (infusion) Atracurium (infusion) Calcium gluconate (bolus) Cisatracurium (infusion) Clonazepam (infusion) Clonidine (infusion)- See Drug Guideline Dexmedetomidine Dobutamine -See Drug Guideline Fentanyl (infusion, non PCA) Flumazenil (infusion) Labetalol (bolus in ischaemic stroke). See Drug Guideline, to be administered by Neurology or Medical Registrar. Levosimendan
			Liothyronine Magnesium sulfate tetrahydrate (bolus) Metaraminol (bolus) Midazolam (infusion) Milrinone Morphine (infusion, non PCA) Pancuronium (infusion) Potassium chloride (bolus) Promethazine -IM preferred, IV use not recommended Propofol (infusion) Remifentanil (infusion) Rocuronium (infusion) Sodium nitroprusside Thiopentone (infusion) Vecuronium (infusion) Vasopressin -See Drug Guideline

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Class	Medical Role	Nursing Allocation and Monitoring	Drug
C	Medical Officer within critical care area or readily available within hospital	1:2 care by CCRN. Continuous ECG monitoring and blood pressure monitoring <u>mandatory</u> .	<p>Adrenaline (epinephrine)- See Drug Guideline.</p> <p>Alteplase -See Drug Guideline for ischaemic stroke and pulmonary embolism. For unblocking long term IV lines see General Wards</p> <p>Atropine</p> <p>Calcium chloride</p> <p>Calcium gluconate (infusion for <u>severe</u> hypocalcaemia). See Drug Guideline – Critical Care Areas use.</p> <p>Chlorpromazine (bolus)</p> <p>Dextran</p> <p>Digoxin immune fab (<i>Digibind</i>)</p> <p>Droperidol (doses greater than 1.25mg)</p> <p>Ephedrine</p> <p>Esmolol</p> <p>Flecainide</p> <p>Glyceryl trinitrate- See Drug Guideline – Critical Care Areas use</p> <p>Glycopyrronium bromide (Glycopyrrolate)</p> <p>Haloperidol (<u>not</u> decanoate)</p> <p>Hydralazine (obstetrics & non obstetric). See Drug Guideline. ECG not mandatory.</p> <p>Hyoscine hydrobromide</p>
			<p>Isoprenaline -See Drug Guideline</p> <p>Labetalol (in Obstetrics). See Drug Guideline. ECG not mandatory.</p> <p>Lidocaine (Lignocaine)</p> <p>Magnesium sulphate</p> <p>- Infusion for asthma- See Drug Guideline</p> <p>- Infusion in Obstetrics - see Drug Guideline. ECG not mandatory.</p> <p>- Infusion for <u>severe</u> hypomagnesaemia)- See Drug Guideline – Critical Care Areas use.</p> <p>Metoprolol</p> <p>Naloxone (infusion)</p> <p>Noradrenaline (norepinephrine)</p> <p>Phentolamine – ECG monitoring not essential</p> <p>Phenylephrine</p> <p>Praladoxime</p> <p>Sotalol</p> <p>Tenecteplase</p> <p>Terbutaline</p> <p>Verapamil</p>

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Class	Medical Role	Nursing Allocation and Monitoring	Drug
D	Medical Officer within unit.	1:2 care by CCRN. Continuous ECG monitoring and blood pressure monitoring <u>considered</u> .	<p>Aminophylline Calcium gluconate (infusion for moderate hypocalcaemia)- See Drug Guideline – Critical Care Areas use Clonazepam (bolus dose greater than 1mg) Dantrolene Diazepam (bolus dose greater than 5mg) Eptacog alpha (Novoseven®) Eptifibatide (Integrelin®) Fentanyl (bolus) Furosemide (frusemide) (continuous infusion) -see Drug Guideline. Glucagon (infusion) Glucose 50% (infusion) Insulin neutral human (Actrapid®)- see Drug Guideline. Insulin aspart (Novorapid®) Magnesium sulfate tetrahydrate(infusion for moderate hypomagnesaemia)- See Drug Guideline – Critical Care Areas use. Mannitol Metaraminol (infusion)</p>
			<p>Morphine (bolus) Neostigmine Nimodipine Potassium salts -See Drug Guideline – Critical Care Areas use. Protamine - See Drug Guideline Salbutamol - See Drug Guideline Sodium bicarbonate (bolus) Sodium chloride 3% infusion Sodium chloride 20% (requires appropriate dilution) Sodium phosphate and potassium phosphate (infusion for moderate or severe hypophosphataemia)- See Drug Guideline – Critical Care Areas use. Tirofiban Tranexamic acid</p>

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Class	Medical Role	Nursing Allocation and Monitoring	Drug
			Midazolam (bolus dose greater than 2mg)
M	Medical Officer available/contactable	1:1 Midwife ratio. Monitoring for each drug as determined by Drug Guideline, CPP or Standing Order as indicated	Ergometrine (bolus). As per Standing Order and Post Partum Haemorrhage CPP Hydralazine (in Obstetrics) – see Drug Guideline for monitoring. Insulin Labetalol (in Obstetrics) -see Drug Guideline for monitoring. Magnesium sulphate tetrahydrate (infusion in Obstetrics) - see Drug Guideline for monitoring. Oxytocin (bolus). As per Standing Order. Remifentanil – see CPP Patient Controlled Analgesia (PCA) in labour using remifentanil

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