

Resuscitation and Deteriorating Patient Committee (RDPC)

RESUSCITATION POLICY APPENDIX B 3 – EMERGENCY MEDICINES

BACKGROUND

There are a number of medicines that are required for immediate or urgent administration in an emergency. These medicines are organised by priority as first, second- and third-line emergency medicines. This appendix will list the approved medicines for use in such situations and detail where they should be kept and how they are presented and stored within the trust. The safe storage and availability of these medicines remains the responsibility of the senior clinician in charge of each clinical area.

FIRST AND SECOND LINE EMERGENCY MEDICINES

RED ADULT CARDIAC ARREST BOXES

First and second line medicines used in the management of cardio-respiratory arrest, will be stored in 'tamper evident' bespoke red coloured cases. These cases will be sealed with a breakable paper sleeve and marked with the soonest medicines expiry date. They will be located on all emergency trolleys and in additional specific clinical areas where there is a justified clinical need. Replacement boxes are located in the emergency drug cupboard located next to pharmacy. Out of hours please contact the nurse bleep holder on 401 to access this cupboard.

Figure 1 : Layout of the contents of adult cardiac arrest box.



Table 1: Adult Cardiac Arrest Box Approved Contents

Medicine Name	Strength	Formulation	Quantity
ADRENALINE	1mg/10mL	Prefilled Syringe	6
ATROPINE	1mg/5mL	Prefilled Syringe	3
AMIODARONE	300mg/10mL	Prefilled Syringe	1
CALCIUM CHLORIDE	1g/10mL (10%)	Prefilled Syringe	1
SODIUM BICARBONATE	8.4%	100mL Glass Bottle	1
NALOXONE	400micrograms/mL	Glass Ampoule	5
MAGNESIUM SULPHATE	1g/2mL (50%)	Glass Ampoule	2
GLUCOSE	20%	100mL Glass Infusion Bottle	1
ANAPHYLACTIC SHOCK PACK (Contains ADRENALINE for IM use)	1mg/mL	Glass Ampoules (Stored inside clear plastic box)	1 pack (containing 2 adrenaline 1mg/ml glass ampoules)

Where procurement of the approved medicines is not possible due to supply chain or manufacturing delays the Resuscitation and Deteriorating Patient Committee (RDPC) may temporarily agree to the substitution of an alternative formulation of any product affected and this will be communicated trust wide in a timely manner.

THIRD LINE EMERGENCY MEDICINES

Third line emergency medicines, whilst not required for cardiac arrest, are required urgently in specific clinical emergencies. These will be stored as 'standard stock' in designated clinical areas. The following medicines (table 2) must be stocked in all designated clinical areas (table 3). Where a minimum quantity is specified the nearest whole equivalent pack size should routinely be stocked.

Table 2: Approved Third Line Medicines

Medicine Name	Strength	Formulation	Quantity
ADENOSINE	6mg/2mL	Glass Ampoule	6
GLYCERYL TRINITRATE	400microgram/actuation	Sublingual Spray	1
DIAZEPAM	5mg/2.5mL	Rectal Tubes	5
HYDROCORTISONE (as sodium succinate)	100mg	Glass Ampoule	10
CHLORPHENAMINE	10mg/mL	Glass Ampoule	5
GLUCOSE	25g/50mL (50%)	100mL Glass Infusion Bottle	1
SALBUTAMOL	5mg/2.5mL	Nebuliser Solution	20

Table 3: Third Line Medicine Stock Locations

Third Line Medicines Box Locations (for Worcester Royal Hospital)

- A&E
- Aconbury 1
- Aconbury 2 CCU
- Aconbury 3
- Aconbury 4
- Acute Stroke Unit
- AMU
- ARU
- Avon 2
- Avon 3
- Avon 4
- Beech A
- Beech B
- Beech SHDU
- Cardiac Cath Lab 1
- Cardiac Cath Lab 2
- Children's Clinic
- Critical Care
- Endoscopy
- Hawthorn Suite
- Hazel Unit
- Head & Neck
- Larkspur Suite
- Laurel 1
- Laurel 2
- Laurel 3
- Lavender Antenatal Ward
- Lavender Delivery Theatre

- Lavender Postnatal Ward
- MSSU
- Medical Day Case
- Mulberry Suite
- Ophthalmology
- PDU
- Radiotherapy
- Riverbank
- Rowan Clinic
- Sorrel Suite
- Surgical Assessment Unit
- Theatres
- Trauma & Orthopaedics
- Woodside Unit
- X-Ray 1
- X-Ray 2

Hospital Site		
W a r d A r e a		Alexandra Hospital
		External Hospital Sites
		A & E
		Burlingham ward
		AEC
		Endoscopy -
		Malvern Community
		Hospital
		Anaesthetic Rooms in Operating Theatres
		Evesham Theatres
		Birch
		KTC- Endoscopy
		Cardiology
		KTC Millbrook
		Childrens Clinic
		KTC- MIU
		CCU
		KTC - Ophthalmology
		Discharge Lounge
		Theatres
		Endoscopy
		ECG
		KTC - OPD
		Eye Clinic
		KTC - Renal
		Garden Suite
		KTC- Theatres
		ITU
		KTC - Ward 1
		OPD
		Ophthalmology Theatre
		Orthopaedic Centre
		Ward 1 Children's Clinic
		Ward 2
		MAU 3
		MAU 4 (Frailty)
		Ward 5
		Ward 6
		Ward 9
		Ward 10
		Ward 11
		Ward 12
		Ward 14
		Ward 16
		Ward 17
		Ward 18
		Worcester Women's Health Unit
		X-ray

EMERGENCY ANAESTHETIC MEDICINES

Medicines used during the emergency induction of anaesthesia are available in a clear plastic case in various fridge locations around the trust (table 5). **These medicines should only be**

used by clinicians who are suitably trained and competent to do so. The contents and timely review of the medicines contained within the anaesthetic box remain the responsibility of the Anaesthetic Department.

The names of the medicines currently approved and contained within this case are listed below (table 4).

Table 4: Contents of Anaesthetic Box

Medicine Name	Strength	Formulation	Quantity
ATRACURIUM	50mg/5mL	Glass Ampoule	1
ATROPINE	600micrograms/mL	Glass Ampoule	1
EPHEDRINE	30mg/mL	Glass Ampoule	1
ETOMIDATE	20mg/10mL	Glass Ampoule	1
GLYCOPYRRONIUM	600micrograms/3mL	Glass Ampoule	1
METARAMINOL	10mg/mL	Glass Ampoule	1
MIDAZOLAM	10mg/2mL	Glass Ampoule	1
PROPOFOL	200mg/20mL	Glass Ampoule	2
SODIUM CHLORIDE	0.9% (10mL)	Plastic Ampoule	4
SUXAMETHONIUM	100mg/2mL	Glass Ampoule	2
THIOPENTAL	500mg	Glass Ampoule	1
ROCURONIUM	50mg/5ml	Glass Ampoule	2
WATER FOR INJECTION	For Thiopental (20mL)	Plastic Ampoule	1

Emergency Anaesthetic Medicines are located in each of the following locations:

Emergency Anaesthetic Box Locations (for Worcester Royal Hospital)

- A&E Resus (x3) – currently 4x Resus + 1x Minors + 1x Overflow
- Aconbury 2 CCU (x2)
- Aconbury 4
- Acute Stroke Unit
- Acute Respiratory Unit
- AMU
- Avon 4
- Beech A
- Beech B
- Cardiac Cath Lab Level 1
- Cardiac Cath Lab Level 2
- CT/MRI/X-ray Radiology Level 2
- EGAU
- Emergency Drug Cupboard (x6)
- Evergreen Discharge Lounge
- Hazel Elective
- ITU (x6)
- Laurel 1
- Laurel 2 & 3 (to share- store on Laurel 3)

- Lavender Delivery Theatre *Additional to be added to Lavender area (location-Postnatal)
- Medical Short Stay Unit
- Ophthalmology Theatre
- Rheumatology Day Case
- Riverbank
- Surgical Assessment Unit
- Theatre Recovery

Hospital Site		
Ward Area	Alexandra Hospital	External Hospital Sites
	A&E Majors & Trolleys	Kidderminster Hospital - Main Theatre
	A&E Resus	Evesham Hospital - Main Theatre
	CCU (x2)	
	ITU	
	Pharmacy Emergency Cupboard (x2)	
	Theatre Recovery	
	Ward 3	
	Ward 4	
	Ward 12	

Table 5: Anaesthetic box locations