MOET – 4th Edition Australia / New Zealand Manual Supplement

CHAPTER 6: SHOCK

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• Refer to ANZCA Guideline

CHAPTER 11: CARDIOPULMONARY RESUSCITATION

PAGE 102 – Algorithm 11.1

- See attached Australia/ New Zealand Version of Advanced Life Support Flow Chart
- Adrenaline should be administered every second loop (approximately every 4 minutes). Each loop comprises 5 sets of 30 compressions.

PAGE 103 and 104 – Algorithm 11.2

- Instead of Call '999'
 - o Call 000 Australia
 - \circ Call 111 New Zealand

PAGE 106

- Waveform capnography should be used to confirm airway placement and monitor the adequacy of CPR.
- Ventilate at a rate of 6 to 10 once ETT or supraglottic device placed. Intubation should not interrupt cardiac compressions for more than 5 seconds.

PAGE 107 – Shockable Rhythms - Dot Point 5

• On the shockable side of the algorithm, adrenaline 1mg IV, is given after the second shock and every 2nd cycle; i.e. approximately every 4 minutes. Amiodarone 300mg IV is also given after the third shock.

PAGE 109 - Other Drugs

- Sodium bicarbonate: 1mmol/kg, is initially given over 2-3 minutes, then as guided by arterial blood gases
- Magnesium sulphate: 5mmol (4 mls of 50% solution) may be used for refractory VF, which may be repeated once and followed by an infusion of 20 mmol over four hours.
- Calcium: 5 to 10ml 10% calcium chloride (10 mls is 6.8 mmol Ca2+) IV

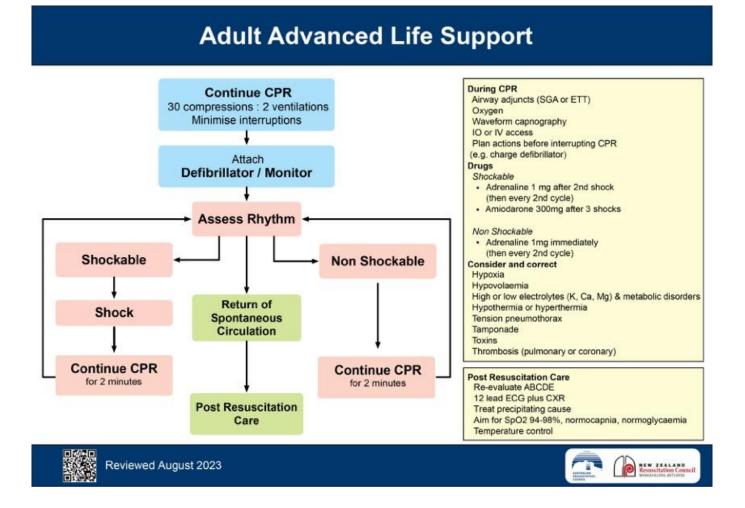
Chapter 14: NEWBORN RESUSCITATION

• Refer to ARC or NZRC Guidelines

Chapter 25: NEUROLOGICAL EMERGENCIES

PAGE 221

- Use midazolam (5-10mg IV over 2-5 minutes) as first line rather than lorazepam or diazepam.
- Second line options include levetiracetam (Keppra) or phenytoin.



Anaphylaxis during Anaesthesia Immediate Management



CARDIAC ARREST Pulseless Electrical Activity (PEA)		 Immediately start CPR 1 mg IV Adrenaline, Repeat 1-2 minutely pm Elevate legs. 2 L Crystalloid ALS GUIDELINES for non-shockable rhythms
SBP < 50mmHg		Start cardiac compressions
DR	Danger and Diagnosis Response to stimulus	 Unresponsive hypotension or bronchospasm Remove triggers e.g. chlorhexidine, synthetic colloid Stop procedure. Use minimal volatile/TIVA if GA
S	Send for help and organise team	 Call for Help and Anaphylaxis box Assign a designated Leader and Scribe Assign a Reader of the cards
AB	Check/Secure Airway Breathing - 100% oxygen	 Check capnography – "No Trace = Wrong Place" Confirm FiO₂ 100% Consider early intubation: airway oedema
С	Rapid fluid bolus Plan for large volume resuscitation	 If hypotensive: Elevate legs Moderate – 500mL Crystalloid Life threatening– 1000mL Crystalloid Large bore IV access. Warm IV fluids if possible
D	Adrenaline Bolus Repeat as needed Prepare Infusion	Initial IV Adrenaline Bolus (Adult) 1 mg in 10 mL = 100 microg/mL • Give dose below every 1-2 minutes prn
IM Adrenaline (Adult) No IV access or haemodynamic monitoring OR awaiting Adrenaline Infusion 1:1000 = 1mg/mL 500 microg (0.5mL) Every 5 minutes prn lateral thigh		ModerateLife Threatening10-20 microg (0.1-0.2mL)50-100 microg (0.5-1mL)If no response 50 microg (0.5mL)If no response 200 microg (2mL)
Adrenaline INFUSION (Adult) >3 boluses of Adrenaline start infusion		3 mg Adrenaline in 50 mL saline Commence at 3 mL/hr = 3 microg/min Titrate to max, 40 mL/hr = 40 microg/min

Can be administered peripherally

Titrate to max. 40 mL/hr = 40 microg/min (Infusion rate 0.05 - 0.5 microg/kg/min)

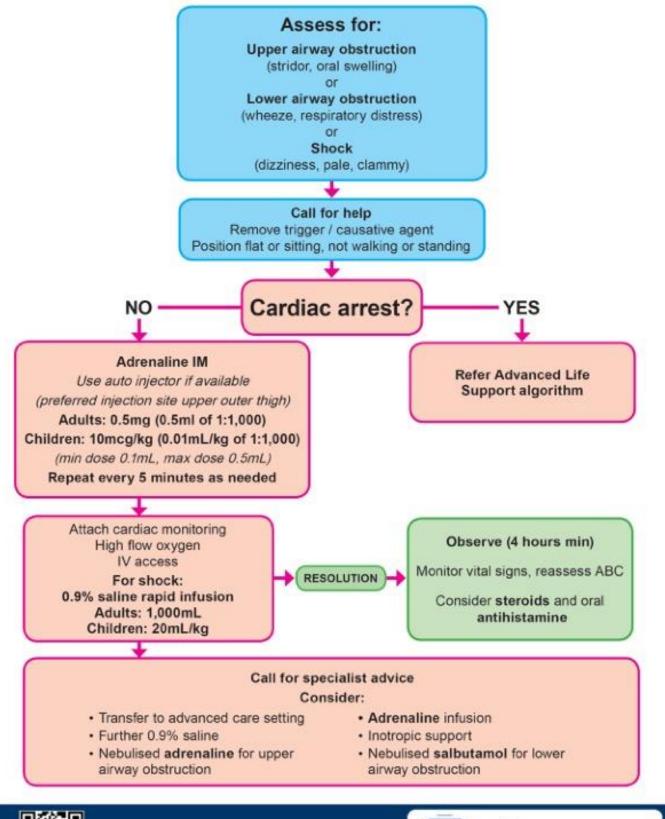
If NOT RESPONDING see 'Adult refractory management'

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ANZCA



Anaphylaxis



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Newborn Life Support

