Anaphylaxis during Anaesthesia

## Immediate Management

## Adults 12+



 ALS GUIDELINES for non-shockable rhythms **IF Adult CARDIAC ARREST** • 1 mg I.V. Adrenaline, Repeat 1 - 2 minutely prn **Pulseless Electrical Activity, PEA** • Immediately start CPR. Elevate legs. 2 L Crystalloid Unresponsive hypotension or bronchospasm **Danger and Diagnosis** DR Remove triggers e.g. chlorhexidine, synthetic colloid **Response to stimulus**  Stop procedure. Use minimal volatile if GA • Call for Help and Anaphylaxis box Send for help and Assign a designated Leader and Scribe organise team Assign a Reader of the cards **Check/Secure Airway** AB · Consider early intubation: airway oedema Breathing - 100% oxygen Confirm FiO<sub>2</sub> 100% **Rapid fluid bolus**  If hypotensive: Elevate legs Plan for large volume · Bolus 2L Crystalloid, Repeat as needed resuscitation • Large bore I.V. access. Warm I.V. fluids if possible **Adrenaline Bolus Repeat as needed** Initial I.V. Adrenaline Bolus (Adult) **Prepare Infusion** Dilution 1 mg in 10 mL = 100 mcg/mL• Give dose below every 1-2 minutes prn Increase dose if unresponsive I.M. Adrenaline (Adult) No I.V. access or haemodynamic monitoring Moderate Life Threatening OR awaiting Adrenaline Infusion (Grade 2) (Grade 3) 1:1000 1ma/mL 500 mcg lateral thigh 100-200 mcg 20 mcg Every 5 minutes prn  $= 0.2 \, \text{mL}$  $= 1-2 \, mL$ 

Adrenaline INFUSION (Adult) >3 boluses of Adrenaline start infusion Can be administered peripherally **3 mg Adrenaline in 50 mL saline** Commence at 3 mL/hr = 3 mcg/min Titrate to max. 40 mL/hr = 40 mcg/min (Infusion rate 0.05 - 0.5 mcg/kg/min)

## If NOT RESPONDING see 'Refractory Management'

Appendix 1 ANZAAG-ANZCA Perioperative Anaphylaxis Management Guidelines version 2 May 2016. The scientific rationale and evidence base for the recommendations on this card is explained in more detail at www.anzca.edu.au and www.anzaag.com © Copyright 2016 – Australian and New Zealand College of Anaesthetists, Australian and New Zealand Anaesthetic Allergy Group. All rights reserved.