EMCARE

Saving Lives Made Simple

Suggested pre-reading for

NZRC CORE Advanced

Algorithms.

- Be able to, from memory, recall the Advanced Cardiac Life Support algorithm for adults and children – including drug dosage and timing.
- Know the potentially reversible causes for a cardiac arrest (consider and correct).
- Know the chain of survival.
- Know the adult anaphylaxis algorithm.
- Be able to explain the management of choking in adults, children and infants.
- Understand post-resuscitation care

Chest Compressions and Ventilation.

- Know the correct anatomical location for chest compressions in adults, children and infants.
- Know how many compressions per minute to give adults, children and infants.
- Be familiar with what constitutes an adequate ventilation and what may constitute under and over ventilation and how this may affect the resuscitation.
- Know how much oxygen is given during a cardiac arrest.
- Understand how oro-pharyngeal, laryngeal and endotracheal airways differ and how they assist with airway maintenance.

Cardiac arrest in special circumstances

- Know how to resuscitate the pregnant woman, and how this differs from standard resuscitation.
- Know how to resuscitate the trauma victim, including bleeding management and treatment.
- Understand the management of a person who has drowned, and what the priorities are.

Capnography

- Know the uses of waveform capnography during cardiac arrest.
- Know how waveform capnography changes with ROSC.

Defibrillation

- Understand the use of an AED in adults, children and infants.
- Know the recommended energy settings for a manual defibrillator for adults, children and infants.
- Understand where to place defibrillation pads on adults, children infant and pregnant women.

Children

- Understand the differences in resuscitation between adults and children.
- Understand fluid resuscitation in children.
- Understand where to place defibrillation pads on children and infants.