

Medical Resuscitation Algorithm

Recognize



Recognize an acutely ill patient using the Interagency Integrated Triage Tool (IITT).



Move patient to red or resuscitation area.

Resuscitate



Use the ABCDE approach to systematically evaluate the patient, identify and correct immediate life threats.

Is the patient talking normally with no signs of obstruction?

- (a) If suspected TRAUMA, maintain spine precautions & follow trauma algorithm.
- Special considerations in paediatric, elderly or pregnant patients.

ABCDE Approach

AIRWAY



Open the airway (Use jaw thrust or head tilt and chin lift) Unconscious with limited or no air movement . Insert OPA or NPA. · Place in recovery position. Encourage coughing. Remove visible foreign body. · Foreign body in airway If unable to cough: chest/abdominal thrust/back blow as indicated. · If patient becomes unconscious, start CPR per local protocols Gurgling · Open airway as above, suction (avoid gagging) · Keep patient calm and allow position of comfort. For signs of anaphylaxis: give IM adrenaline

· For hypoxia: give oxygen

Does the patient have increased work of breathing, abnormal breathing pattern, abnormal breath sounds, cyanosis, chest wounds? *Check oxygen saturation





· Signs of abnormal breathing or hypoxia · Give oxygen. Assist ventilation with BVM if breathing NOT adequate. · Give salbutamol. For signs of anaphylaxis: give IM adrenaline · Perform needle decompression, give oxygen and IV fluids. · Signs of tension pneumothorax · Signs of opiate overdose (altered mental status and slow breathing with small pupils) Signs of organophosphate poisoning (difficulty in · Give atropine breathing, sweating, vomiting, diarrhoea, salivation)

Does the patient have external or internal bleeding, distended neck veins, muffled heart sounds or poor perfusion? *Check BP, HR, capillary refill. *Always adjust fluids for malnutrition





 Give oxygen and IV fluids. If no pulse, follow relevant CPR protocols · Signs of internal or external bleeding. Control external bleeding. Give IV fluids. Signs of pericardial tamponade (poor perfusion with Give IV fluids, oxygen. Arrange for rapid pericardial drainage distended neck veins and muffled heard sounds). · Arrange urgent referral and/or handover

Does the patient have head trauma, convulsions, unequal or fixed pupils,

DISABILITY

EXPOSURE



Altered mental status (AMS) Convulsion

LOOK FOR:

· Convulsion in pregnancy (or after recent delivery) · Suspected hypoglycaemia · Signs of life-threatening brain mass or bleed (AMS with unequal pupils)

Place in recovery position. · Check glucose

· Check glucose. Give benzodiazepine. · Give magnesium sulphate.

 Check glucose. Give glucose if <3.5mmol/L (<60 mg/dL) or unknown. . Monitor airway, raise head of bed. Avoid hypoxia, hypotension, hyperthermia. Rapid transfer for neurosurgical services

Does the patient have hidden injuries, rashes or other lesions?

*Expose and examine the entire body.

· Remove wet clothing and dry skin thoroughly.

 Remove jewellery, watches & constrictive clothing. · Prevent hypothermia and protect dignity.

CHECK:











CHECK:

tal status improved?



Review



Wet or constrictive clothing

Review patient status and interventions using the WHO Medical Emergency checklist

- Recheck vital signs.
- If patient condition changes, repeat ABCDE.
- If no further interventions needed, take a SAMPLE history and perform a SECONDARY exam.
- Document care in a WHO Standardised Clinical Form or locally available option.





If health facility unable to provide on going care, arrange for safe transfer to appropriate facility as soon as possible.

REMEMBER: PREPARATION is key. Use the elements of the WHO Emergency Care Toolkit to prepare your unit to better manage emergencies.











