ADULT ACUTE CORONARY SYNDROME



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- Monitor and support airway, breathing, circulation
- Be ready to provide CPR and defibrillation as needed
- Administer aspirin; consider oxygen, nitroglycerin and morphine if needed
- Obtain IV access; do not delay transport for IV
- Obtain 12-lead ECG
 - Transmit ECG or share findings with receiving hospital!
 - Receiving hospital activates STEMI team per protocol as appropriate
- If considering fibrinolysis, complete fibrinolytic checklist
- Transport to emergency department or catheterization suite per protocol



Cardiology consultation

ADULT ACUTE STROKE

Suspected or known Acute

stroke

Prehospital Assessment and Care

- Monitor and support airway, breathing, circulation
- Provide supplemental oxygen if needed to maintain SpO₂, of 94% to 99%; provide ventilatory support (BVM, noninvasive or invasive) as needed
- Perform prehospital stroke screen and severity assessment and record time of symptom onset/last known normal
- Measure blood glucose; treat hypoglycemia as indicated
- Follow local protocols for destination decision
- Alert receiving hospital and follow protocols for stroke arrival



- Monitor for neurologic deterioration, complications of stroke/stroke therapy
- Manage blood pressure
- Manage glucose per protocol

\$Serum electrolyte panel with renal function tests, complete blood count, cardiac markers, prothrombin time international normalized ratio, activated partial thromboplastin time

§Discontinue therapy with anticoagulant or antiplatelet agents for 24 hours after rtPA administration

ADULT BRADYARRHYTHMIA



*Consider implementing transcutaneous pacing or -adrenergic agonist therapy immediately for patients with seconddegree AV block type I or third-degree AV/ block.

Consider implementing transcutaneous pacing immediately if vascular access is difficult to achieve.

ADULT TACHYARRHYTHMIA



ADULT CARDIAC ARREST CARE



Defibrillation Energy Doses

Biphasic: Per manufacturer's recommendations (e.g., 120 to 200 J) or if unknown, max available; subsequent doses equal to or greater than first dose Monophasic: 360 J for all doses

Medications

Epinephrine 1 mg IVAO bolus every 3 to 5 min Amiodarone First dose: 300 mg IVAO bolus Second dose: 150 mg after 3 to5 min Lidocaine First dose: 1 to 1.5 mg/kg IVIO Subsequent doses: 0.5 to 0.75 mg/ kg IV/IO every 5 to 10 min, up to a max dose of 3 mg/kg

High-Quality CPR

Compress at a rate of 100 to 120 compressions per min and a depth of at least 2 inches (5 cm); allow for full chest recoil Minimize interruptions to chest compressions to less than 10 sec Avoid excessive ventilations. Each ventilation should last about 1 sec and make the chest begin to rise Without advanced airway: 30 compressions: 2 ventilations With advanced airway: continuous compressions; deliver 1 ventilation every 6 sec without pausing compressions

Rotate compressor every 2 min Monitor CPR quality with ETCO, arterial blood pressure (if available)

What Is ROSC?

- Sudden and sustained increase in ETCO₂.
- Arterial pulse waveform on an Aline when no compressions are being delivered
- Additional signs, including patient movement, normal breathing or coughing, may be present

H's and T's

- Hypovolemia
- Hypoxemia
- Hydrogen ion excess (acidosis)
- Hyperkalemia/hypokalemia
- Hypothermia
- Hyperglycemia/hypoglycemia
- Tamponade (cardiac)
- Tension pneumothorax
- Thrombosis (pulmonary embolism)
- Thrombosis (myocardial infarction)
- Toxins

ADULT CARE FOLLOWING RESUSCITATION



Providers should not initiate TUM in the prehospital setting. The evidence for TIM is constantly evolving. Defer to institutional protocols and clinician judgment based on the latest evidence.