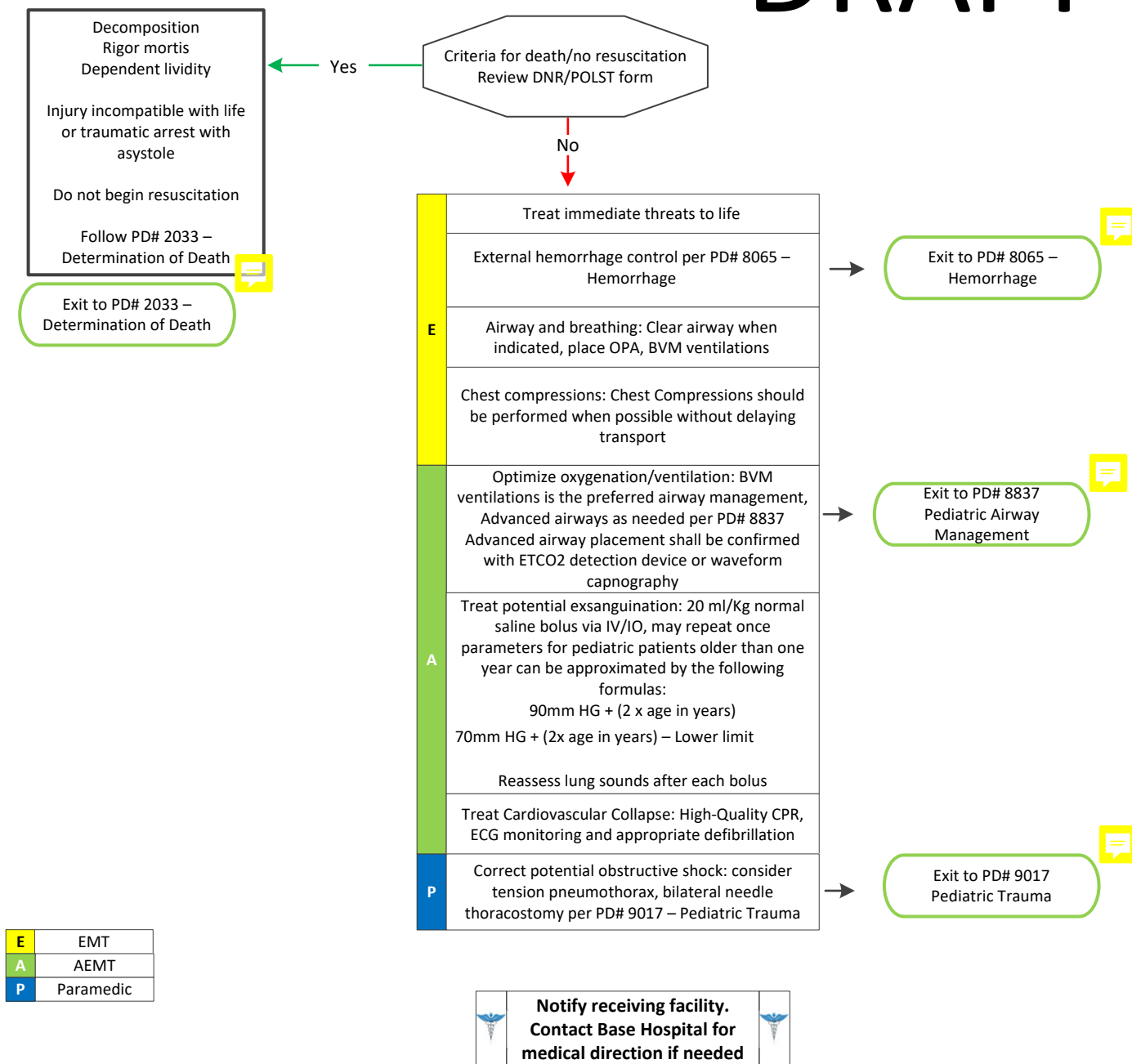




Pediatric Traumatic Cardiac Arrest

DRAFT



Treatment Protocol 9005



Pediatric Traumatic Cardiac Arrest

Notes:

- The pathophysiology of traumatic cardiac arrest differs from medical cardiac arrest and is primarily due to one of or a combination of factors: hypovolemia, obstruction of blood flow, and hypoxia.
- The initial cardiac rhythm for most patients in survivable traumatic cardiac arrest is pulseless electrical activity (PEA). Traumatic cardiac arrest PEA is most often a very low output state due to hypovolemia
- Pediatric traumatic cardiac arrest patients undergoing resuscitation shall be transported as quickly as possible to the hospital
- Pediatric patients with trauma in cardiac arrest who by prehospital presentation may have suffered a medical event before trauma shall undergo medical cardiac arrest resuscitation per TP# 9006 – Pediatric Cardiac Arrest, with attention and appropriate management to emergent trauma needs (hemorrhage control, pneumothorax decompression as indicated, and orthopedic immobilization as indicated)
- There is no evidence based medical support for the use of medications in traumatic cardiac arrest. In traumatic arrest, Epinephrine and Amiodarone are **NOT** indicated in traumatic cardiac arrest. Epinephrine will not correct arrest caused by a tension pneumothorax, cardiac tamponade, or hemorrhagic shock. If there is any doubt as to the cause of arrest, treat as a non-traumatic arrest.

Post Resuscitation Considerations:

- A. If palpable pulse becomes present:
 1. Re-assess for and control external hemorrhage
 2. To determine if shock is present, assess capillary refill (≤ 2 seconds) and brachial and femoral pulses (absent, weak, or present)

Cross References:

PD# 2033 – Determination of Death
PD# 5052 – Trauma Destination
PD# 5053 – Trauma Triage Criteria
PD# 8020 – Respiratory Distress - Airway Management
PD# 8044 – Spinal Motion Restrictions
PD# 8065 – Hemorrhage Control
PD# 8837 – Pediatric Airway Management
PD# 9006 – Pediatric Cardiac Arrest
PD# 9013 – Pediatric Shock
PD# 9016 – Pediatric Parameters
PD# 9017 – Pediatric Trauma



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