MFR & Basic EMT-Epinephrine Study
Anaphylaxis/Allergic Reaction

1. Follow General Pre-hospital Care Protocol.
2. Determine substance or source of exposure, remove patient from source if known and able.
3. In cases of severe allergic reaction, wheezing or hypotension, administer epinephrine.
4. Assist the patient in administration of their own epinephrine auto-injector, if available.
5. Epinephrine administration.

   a. If child appears to weigh less than 10 kg (approx. 20 lbs.), contact medical control prior to
      epinephrine, if possible.
   b. If child weighs between 10-30 kg (approx. 60 lbs.), administer Epinephrine 1 mg/mL, 0.15 mg
      (0.15 mL) IM.
   c. For adults and children weighing greater than 30 kg (approx. 60 lbs.), administer Epinephrine 1
      mg/mL, 0.3 mg (0.3 mL) IM.

6. Albuterol may be indicated. Refer to Nebulized Bronchodilators Medication Protocol.

7. Administer a Normal Saline IV/IO fluid bolus.
   a. The standard NS IV/IO fluid bolus volume will be up to 1 liter, wide open, repeated as
      necessary, unless otherwise noted by protocol. IV/IO fluid bolus is contraindicated with
      pulmonary edema.
   b. Fluid should be slowed to TKO when SBP greater than 90 mm/Hg.
   c. For pediatrics, fluid bolus should be 20 mL/kg, and based on signs/symptoms of shock.

8. In cases of suspected anaphylaxis with hypotension, severe respiratory distress, and/or angioedema, administer Epinephrine.
   a. Adult (1mg / 1mL), 0.3 mg (0.3 mL) IM. May repeat 1 time in 3-5 minutes if patient is still
      hypotensive.
   b. Pediatric
      i. For children less than 10 kg (approx. 20 lbs.), contact medical control prior to
         epinephrine if possible.
      ii. For children weighing less than 30 kg (approx. 60 lbs.); administer Epinephrine
         (concentration of 1mg/1mL) 0.15 mg (0.15mL) IM.
      iii. Child weighing 30 kg or greater; administer Epinephrine 1 mg/mL, 0.3 mg (0.3 mL) IM.
      iv. May repeat 1 time in 3-5 minutes if patient is still hypotensive.

9. If patient is symptomatic, administer Diphenhydramine.
   a. Adult 50 mg IM or IV/IO.
   b. Pediatric 1 mg/kg IM/IV/IO (maximum dose 50 mg).

11. Per MCA Selection, administer Prednisone OR methylprednisolone.

   Medication Options:
   - Prednisone 50 mg tablet PO (Children > 6 y/o)
   - Methylprednisolone
     - Adult 125 mg IV/IO/IM or
     - Pediatric 2 mg/kg IV/IO/IM (max 125 mg)

12. For MCA with both selected, Prednisone PO is the preferred medication. Methylprednisolone is secondary and reserved for when a PO route is inappropriate.

13. If patient remains hypotensive after treatment, refer to Shock Protocol.

14. If patient is symptomatic after treatment without hypotension.
   - Additional Epinephrine 1 mg/mL, 0.3 mg (0.3 mL) IM.