ALLERGIC REACTION / ANAPHYLAXIS

ALL PROVIDERS / EMT

- □ Focused history and physical exam.
- Cardiac monitor, ETCO2, and pulse oximetry monitoring, when available.
- Treatment Plan
 - Eliminate the source of exposure, if possible. May require moving the patient to another location
 - Maintain airway.
 - Apply cold pack to bite or sting site as necessary.
 - Monitor closely for hypotension.

Key Considerations

- If the patient has any respiratory distress and is conscious, treat and transport them in a position of comfort, including leaving a child in parent's lap.
- Determine if anaphylaxis is present:
 - Non-anaphylactic Allergic Reaction: Symptoms involving only one organ system (i.e. itching, rash, or localized angioedema that does not involve the airway or is not associated with vomiting)
 - o Anaphylaxis: More severe and is characterized by an acute onset involving:
 - Hypotension after exposure to a likely allergen OR
 - Two or more of the following occurring rapidly after exposure to a likely allergen:
 - > Skin and/or mucosal involvement (urticaria, itching, face/lips/tongue swelling
 - > Respiratory compromise (dyspnea, wheezing, stridor, hypoxemia)
 - Persistent gastrointestinal symptoms, particularly in infants/young children (vomiting, abdominal pain)
- Do not delay administering epinephrine. Give IM epinephrine as soon as the diagnosis of anaphylaxis has been established.

ADULT (>25 kg / 55lbs)

PEDIATRIC (< 25 kg / 55 lbs)

EMT Give or assist patient with epinephrine autoinjector (0.3 cc) IM for anaphylaxis OR administer epinephrine (1:1000) 0.3 cc IM, as per AEMT guideline below Assist patient with using own albuterol inhaler for wheezing O2 as pooded to maintain SaO2 above OB administer epinephrine (1:1000) 0.15 cc IM

- O2 as needed to maintain SaO2 above 90%.
- OR administer epinephrine (1:1000) 0.15 cc IM, as per AEMT guideline below.
 If > 25 kg, then give 0.3 cc IM

AEMT

- Assist patient with own albuterol inhaler if wheezing is present
- O2 as needed to maintain SaO2 above 90%.

AEMT

- □ Epinephrine (1:1000) 0.3 cc IM
 - May repeat every 10 minutes until symptoms improved
- Advanced airway, vascular access and fluid therapy per IV/IO Access and Fluid Therapy Guideline
- Diphenhydramine 50 mg IV/IO/IM for allergic reaction with urticaria/itching
- If WHEEZING is present:
 - Albuterol 2.5 mg nebulized every 10 minutes until symptoms improve
- If STRIDOR is present:
 - Epinephrine (1:1000) 2mL mixed with 3 mL of NS nebulized every 10 minutes until symptoms improve

PARAMEDIC

Epinephrine (1:10,000) 1mg IV/IO may be used for severe or persistent hypotension, despite multiple doses of IM epinephrine

May repeat every 5 min if shock persists

Epinephrine (1:1000) 2-10 mcg/min IV/IO infusion for hypoperfusion. Titrate to maintain a SBP >100 mmHg (Consider Pushdose Epi)

- Epinephrine (1:1000) 0.15 cc IM
 - May repeat every 10 minutes until symptoms improved
 - If >25 kg, then use 0.3 cc IM
- Advanced airway, vascular access and fluid therapy per IV/IO Access and Fluid Therapy Guideline
- Diphenhydramine 1 mg/kg to max of 50 mg IV/IO/IM for allergic reaction with urticaria/itching If WHEEZING is present:
 - Albuterol 2.5 mg nebulized every 10 minutes until symptoms improve
 - Start with 1.25 mg if patient is <1 yr in age. If STRIDOR is present:
- - Epinephrine (1:1000) 2mL mixed with 3 mL of NS nebulized every 10 minutes until symptoms improve

PARAMEDIC

Epinephrine (1:10,000) 0.01 mg/kg or . 0.1ml/kg IV/IO for severe or persistent hypotension, despite multiple doses of IM epinephrine

May repeat every 5 min if shock persists

Epinephrine (1:1000) 0.1-2 mcg/kg/min IV/IO infusion for hypoperfusion. Titrate to maintain a SBP >70 + (age in years x 2) mmHg. (Consider Push-dose Epi)