

Allergic Reaction and Anaphylaxis

ADULT

PEDIATRIC

BLS Procedures

Administer oxygen as indicated

Anaphylaxis: Assist patient with prescribed epinephrine auto-injector, or

- If under 30 kg – Epinephrine IM 1 mg/mL
 - IM 0.15 mg via auto-injector, pre-filled syringe, or syringe/vial draw
 - May repeat x1 in 5 minutes if patient remains in distress
- If 30 kg and over – Epinephrine IM 1mg/mL
 - IM 0.3mg via auto-injector, pre-filled syringe, or syringe/vial draw
 - May repeat x1 in 5 minutes if patient remains in distress

ALS Prior to Base Hospital Contact

IV/IO access

Allergic Reaction:

- **Benadryl**
 - IV/IO/IM – 50 mg
- **Albuterol (if wheezing is present)**
 - Nebulizer – 5 mg/6 mL
 - Repeat as needed

IV/IO Access

Allergic Reaction:

- **Benadryl**
 - IV/IO/IM – 1 mg/kg
 - Max 50 mg
- **Albuterol (if wheezing is present)**
- Less than 2 years old
 - Nebulizer – 2.5 mg/3 mL
 - Repeat as needed
- 2 years old and greater
 - Nebulizer – 5 mg/6 mL
 - Repeat as needed

Anaphylaxis without shock:

- **Epinephrine** 1 mg/mL, if not already administered by BLS personnel
 - IM 0.3 mg
 - May repeat x 1 q 5 minutes if patient remains in distress

Anaphylaxis with Shock:

- Epinephrine IM 1 mg/mL as above “anaphylaxis without shock” if IV/IO has not been established
- Epinephrine IV/IO 0.1 mg/mL
 - 0.1 mg (1mL) increments – slow IV/IOP over 1-2 minutes
 - Max 0.3mg (3mL)
- Initiate 2nd IV/IO
- **Normal Saline**
 - IV/IO bolus – 1 Liter

Anaphylaxis without Shock:

- **Epinephrine 1 mg/mL, if not already administered by BLS personnel**
 - IM – 0.01 mg/kg to a max of 0.15 mg
 - May repeat q 5 minutes, if patient remains in distress
 - If patient under 30 kg, max dose is 0.3 mg
 - If patient 30 kg and over, max dose is 0.6 mg

Anaphylaxis with Shock:

- Epinephrine IM 1 mg/mL as above “anaphylaxis without shock” if IV/IO has not been established
- Epinephrine IV/IO 0.1 mg/mL
 - Slow IV/IOP - 0.01 mg/kg (0.1 mL/kg) increments over 1-2 minutes
 - Max 0.3mg (3mL)
- Initiate 2nd IV if possible or establish IO
- **Normal Saline**
 - IV/IO bolus – 20 mL/kg

Communication Failure Protocol

Anaphylaxis without Shock

- **Repeat Epinephrine 1 mg/mL**
 - IM – 0.3 mg q 5 min x 2 as needed

Anaphylaxis with Shock

- Epinephrine 1 mg/mL as above “anaphylaxis without shock” if IV/IO has not been established
 - **Repeat Normal Saline**
 - IV/IO bolus – 1 Liter
- Epinephrine IV/IO 0.1 mg/mL
 - Slow IV/IOP - 0.1 mg (1 mL) increments over 1-2 minutes
 - Max 0.3 mg (3 mL)

Anaphylaxis without Shock

- **Repeat Epinephrine 1 mg/mL**
 - IM – 0.01 mg/kg q 5 min x 2 as needed

Anaphylaxis with Shock

- Epinephrine 1 mg/mL as above “anaphylaxis without shock” if IV/IO has not been established
 - **Repeat Normal Saline**
 - IV/IO bolus – 20 mL/kg
- **Epinephrine 0.1 mg/mL**
 - Slow IV/IOP – 0.01 mg/kg (0.1 mL/kg) increments over 1-2 min
 - Max 0.3 mg (3 mL)

Base Hospital Orders Only

Consult with ED Physician for further treatment measures

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VCEMS Medical Director