This protocol should be used for patients exhibiting signs and symptoms consistent with allergic reaction; as follows:

**Skin:**
Flushing, itching, hives, swelling, cyanosis.

**Respiratory:**
Dyspnea, sneezing, coughing, wheezing, stridor, laryngeal edema, laryngospasm, bronchospasm.

**Cardiovascular:**
Vasodilation, increased heart rate, decreased blood pressure.

**Gastrointestinal:**
Nausea/vomiting, abdominal cramping, diarrhea.

**CNS:**
Dizziness, headache, convulsions, tearing.

*Treatment is outlined according to the severity of the allergic reaction (mild, moderate, and severe or anaphylaxis).*

**Mild Reactions:**
Redness
Itching
Normal perfusion without dyspnea or wheezing
Supportive Care

1. **Trauma Supportive Care Protocol.**

ALS Level 1

2. For severe itching, administer **Diphenhydramine** (Benadryl) 1 mg/kg IM (maximum 50 mg).

ALS Level 2 *(Physician Authorization Required)*

None

**Moderate Reactions:**

Edema, Hives, dyspnea, wheezing, normal perfusion

Supportive Care

1. **Trauma Supportive Care Protocol.**

ALS Level 1

2. If patient remains in respiratory distress, administer **Albuterol** (Ventolin) 1 nebulizer treatment (if <1 year or <10 kg, mix 1.25 mg in 1.5 ml of Normal Saline; if >1 year or >10 kg, mix 2.5 mg in 3 ml of Normal Saline).

3. **Diphenhydramine** (Benadryl) 1 mg/kg (maximum 50 mg IM or 25 mg IV) IM or IV.
4. Consider **Epinephrine** (1:1000) 0.01 mg/kg (max. 0.3 mg) SQ

**ALS Level 2 (Physician Authorization Required)**

5. May repeat **Epinephrine** (1:1000) 0.01 mg/kg (max. 0.3 mg) SQ in 5 minutes if first dose does not produce the desired response. (a)

**Severe Reactions:**

Edema, Hives, severe, dyspnea, wheezing, poor perfusion, possible cyanosis, laryngeal edema.

**Supportive Care**

1. [Trauma Supportive Care Protocol](#)

**ALS Level 1**

2. **Epinephrine** (1:1000) 0.01 mg/kg (max. 0.3 mg) SQ (a).

3. If patient remains in respiratory distress, administer **Albuterol** (Ventolin) 1 nebulizer treatment (if <1 year or <10 kg, mix 1.25 mg in 1.5 ml of Normal Saline; if >1 year or >10 kg, mix 2.5 mg in 3 ml of Normal Saline).

4. **Diphenhydramine** (Benadryl) 1 mg/kg (maximum 25 mg) IV. May repeat once PRN.

5. May repeat **Epinephrine** (1:1000) 0.01 mg/kg (max. 0.3 mg) SQ in 5 minutes if first dose does not produce the desired response. (a).
ALS Level 2 *(Physician Authorization Required)*

NONE

**NOTE**

(a) The EPI-Pen Jr. may be used if other means of Epinephrine administration are not available.