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.

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**Mild Reactions**

**Definition:** Redness and/or itching, stable vital signs with a systolic BP >110 mmHg without dyspnea.

**Supportive Care**

1. [Trauma Supportive Care Protocol](#).

**ALS Level 1**

2. Diphenhydramine HCL (Benadryl) 50 mg IM or 25 mg IV.

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

None
**Moderate Reactions**

*Definition:* Edema, hives, dyspnea, wheezing, and stable vital signs with a systolic BP ≥90 mmHg.

Supportive Care

1. Trauma Supportive Care Protocol.

**ALS Level 1**

2. Epinephrine (1:1,000) 0.3 mg SQ (a)(b).

3. Diphenhydramine HCL (Benadryl) 50 mg IM or 25 mg IV.

4. If patient remains in respiratory distress, administer Albuterol (Ventolin) 2.5 mg in 3 ml of normal saline (0.083%) via nebulizer.

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

5. Repeat Epinephrine (1:1,000) 0.3-0.5 mg SQ (a)(b).

**Severe Reactions**

*Definition:* Edema, hives, severe dyspnea and wheezing, unstable vital signs with a systolic BP <90 mmHg, and possible cyanosis and laryngeal edema.

Supportive Care

1. Trauma Supportive Care Protocol.
ALLERGIC REACTIONS
(ANAPHYLAXIS)

Escambia County, Florida - ALS/BLS Medical Protocol

ALS Level 1

2. Epinephrine (1:1,000) 0.3-0.5 mg SQ (a)(b).

3. Diphenhydramine HCL (Benadryl) 50 mg IV.

4. If patient remains in respiratory distress, administer Albuterol (Ventolin) 2.5 mg in 3 ml of normal saline (0.083%) via nebulizer.

5. Consider need for intubation.

ALS Level 2 (Physician Authorization Required)

6. Consider Epinephrine (1:10,000) 0.3 mg SLOW IV in 0.1 mg increments over 2 minutes (a)(b).

Notes

(a.) Administration of Epinephrine when the patient has a history of heart disease may induce angina, MI, or life threatening arrhythmias. Use with caution.

(b) The EPI-PEN may be used if other means of Epinephrine administration are not available.