



ORANGE COUNTY EMERGENCY MEDICAL SERVICES
BASE HOSPITAL TREATMENT GUIDELINES
ALLERGIC REACTION/ANAPHYLAXIS- ADULT/ADOLESCENT

#: BH-M-15

Page: 1 of 1

Date: 04/01/13

BASE GUIDELINES

1. Determine ALS Standing Order treatments/procedures rendered prior to base hospital contact. Use ALS standing order as guidelines for treatments/procedures not initiated prior to base hospital contact.
2. If patient becomes pulseless, treat according to *BH-C-10/SO-C-10 Cardiopulmonary Arrest – Adult/Adolescent Non-Traumatic*.

Allergic Reaction Moderate:

1. If symptoms continue, consider second dose of Diphenhydramine 25 mg IM or IV.

Anaphylaxis:

1. If symptoms continue, consider second dose of Diphenhydramine 25 mg IM or IV.
2. For absent or weak palpable pulse, continue normal saline boluses and consider:
 - ▶ repeat dose of *Epinephrine (1:10,000) 0.3 mg slow IV / IO* (IV preferred) OR *Epinephrine (1:1,000) 0.3 mg IM*.
3. For impending airway obstruction:
 - ▶ repeat dose of *Epinephrine (1:10,000) 0.3 mg slow IV / IO* (IV preferred) OR *Epinephrine (1:1,000) 0.3 mg IM*.

ALS STANDING ORDER

Categorize reaction into one of three categories as described below:

Allergic Reaction-mild (rash, urticaria and vital signs stable):

- Pulse oximetry, if oxygen saturation less than 95%:
 - ▶ *High-flow oxygen by mask as tolerated.*
- Transport to nearest ERC.

Allergic Reaction-moderate (facial/cervical angioedema or wheezing):

- Pulse oximetry; if oxygen saturation less than 95%:
 - ▶ *High-flow oxygen by mask as tolerated.*
- For facial/cervical angioedema:
 - ▶ *Diphenhydramine: 25 mg IM or IV.*
 - ▶ *Epinephrine 0.3 mg SQ (1:1,000 concentration) – hold if history of cardiac disease, signs of CHF, chest pain, or age > 40 years-old.*
- If wheezing present:
 - ▶ *Albuterol : 6 mL (5mg) nebulized continuous as tolerated.*
- ALS escort to nearest appropriate ERC.

Anaphylaxis: (hypotension, severe wheezing, respiratory distress, impending airway obstruction):

- ▶ *Epinephrine (1:10,000) 0.3 mg slow IV / IO* (IV preferred) OR *Epinephrine (1:1,000) 0.3 mg IM.*
- ▶ *Diphenhydramine: 25 mg IV/ IO/IM* (IV preferred).
- ▶ *Normal Saline, infuse 250 mL IV or IO, repeat up to maximum 1 liter to maintain adequate perfusion.*
- Pulse oximetry; if oxygen saturation less than 95%:
 - ▶ *High-flow oxygen by mask as tolerated.*
- If wheezing present:
 - ▶ *Albuterol 6 mL (5mg) nebulized continuous as tolerated.*
- ALS escort to nearest appropriate ERC; Base Hospital Contact if no response to therapy or condition worsens.

Approved:

Base Hospital Tx Guide 2013:
Implementation Date: 04/01/2013
OCEMS copyright © 2013