



## POLICY PEDIATRIC M6 ALLERGIC REACTION

Effective Date: May 16, 2018

Last Review Date: October 3, 2011

Next Review Date: May 2021

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**Authority:** Health and Safety Code, Division 2.5, California Code of Regulations, Title 22, Division 9

### DEFINITION:

**ALLERGIC REACTION:** hives, rash, flushing, swelling to allergen site with **normal vital signs**- a local reaction to an allergen. Remember that allergic reactions can escalate into anaphylaxis; reassess often and be prepared to treat for anaphylaxis.

**ANAPHYLAXIS:** wheezing, stridor, oral/facial edema, hypotension, severe respiratory distress, ALOC, chest tightness- A systemic response to an allergen involving 2 or more organ systems OR any deterioration of vital signs

**For EMT Optional Scope (EMT-OS) pediatric weight is less than 30 kg (66 lbs.)**

### BLS TREATMENT:

**REMOVE ALLERGEN:** If feasible (e.g. scrape out bee stinger) and apply cold pack

**OXYGEN:** as appropriate, goal to maintain SPO2 at least 94%; Assists ventilations if necessary; Assist patient with Albuterol/Ventolin MDI if available

**VITALS:** assess patient for signs of anaphylaxis

### BLS TREATMENT: ALLERGIC REACTION

**EPINEPHRINE:** pediatric (0.15 mg) epinephrine auto-injector (EpiPen Jr or equivalent), EMT-B or 0.15 mg IM from approved epi injection kit (EMT-OS). May repeat after 5-10 minutes if no improvement. Max of 3 doses

**DIPHENHYDRAMINE:** 1mg/kg PO (max dose 25 mg) **if patient can swallow**, for hives, rash, swelling.

### ALS TREATMENT: ALLERGIC REACTION

**MONITOR:** treat rhythm as appropriate

**IV ACCESS:** TKO

**DIPHENHYDRAMINE:** 1mg/kg IV/IM or PO (max dose 25 mg) **if patient can swallow**, for hives, rash, swelling.

**EPINEPHRINE:** 0.01mg/kg IM of 1:1000 (max dose 0.3 mg) May repeat after 3-5 minutes if no improvement, consider using IV epi after second dose if no improvement

### ALS TREATMENT: ANAPHYLAXIS

**IV/IO ACCESS:** use appropriate size; refer to length based assessment tape. Administer 20ml/kg fluid bolus for hypotension.

**DIPHENHYDRAMINE:** 1mg/kg IV/IO/IM (max dose 50 mg) for hives, rash, swelling.

**ALBUTEROL:** 5.0 mg (2 x 2.5 mg doses) via nebulizer for respiratory distress / wheezes repeat as necessary

### ALS BASE PHYSICIAN ORDERS:

**EPINEPHRINE:** 0.01mg/kg 1:10,000 IV/IO (**max dose 0.1 mg or 1 ml**) for low systolic BP and severe respiratory distress. May repeat every 2-3 minutes until improved systolic BP or improved respiratory distress.

**Refer to length based assessment tape for drug doses and proper equipment sizes.**

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