



# Allergic Reaction/Anaphylaxis



## Medical (Pediatric)

### CRITERIA

- An observed or suspected allergic reaction to foods, venom, chemicals, environmental agents, or medications manifested as:
  - Acute allergic reaction with urticaria and itching
  - Anaphylaxis with upper-airway compromise, respiratory insufficiency, and/or hypotension

### PROTOCOL

<b>EMR</b>	Follow <i>General – Universal Patient Care/Initial Patient Contact Protocol</i> .	<b>EMR</b>
<b>EMT</b>	Remove stinger if present. Do not squeeze stinger; scrape it away with a flat surface.	<b>EMT</b>
<u><b>Acute Allergic Reaction</b></u>		
<b>I</b>	Administer <i>Diphenhydramine (Benadryl) 1mg/kg IM or slow IV/IO up to 25 mg.</i>	<b>I</b>
[ A ]	Wheezing present: administer <i>unit dose Albuterol Sulfate (Proventil) (3 mL of 0.083% solution) nebulized.</i>	[ A ]
[ I ]	Administer <i>Methylprednisolone Succinate (Solu-Medrol) 2 mg/kg slow IV/IO up to 125mg.</i>	[ I ]
<u><b>Anaphylaxis</b></u>		
<b>EMT</b>	Administer the <i>Epinephrine auto-injector</i> from Yellow Epi Auto-injector box or use the patient's own <i>Epinephrine auto-injector</i>	<b>EMT</b>
<b>I</b>	or Administer <i>Epinephrine 1:1,000 0.01mg/kg IM up to a maximum of 0.3 mg.</i>	<b>I</b>
<b>A</b>	If the patient is hypotensive, administer a <i>20 mL/kg fluid bolus 0.9% Normal Saline</i> , then reassess.	<b>A</b>
<b>I</b>	<b>When a patient is hemodynamically unstable, in profound shock, or in case of impending cardiopulmonary arrest, move immediately to: <i>Epinephrine 1:10,000 0.01 mg/kg IV/IO (0.1 mL/kg) up to a maximum of 0.3 mg.</i></b>	<b>I</b>
[ A ]	Administer <i>Diphenhydramine (Benadryl) 1 mg/kg IM or slow IV/IO up to 25 mg.</i>	[ A ]
[ A ]	Wheezing present: administer <i>nebulized unit dose Albuterol Sulfate (Proventil) (3 mL of 0.083% solution).</i>	[ A ]
[ I ]	Administer <i>Methylprednisolone Succinate (Solu-Medrol) 2 mg/kg slow IV/IO up to 125mg.</i>	[ I ]

### PEARLS

☞ If there is no *Epinephrine 1:10,000 preloaded syringe*, combine in a *10 mL syringe: 1mg (1mL) of Epinephrine 1:1,000* with *9 mL 0.9% Normal Saline*: this creates the same as an *Epinephrine 1:10,000 preloaded syringe. Maximum dose of 0.3mg*