



Allergic Reaction/Anaphylaxis

TREATMENT GUIDELINE M-07

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| INDICATION | <ul style="list-style-type: none"> A result of sensitivities to substances called allergens that come into contact with the skin, nose, eyes, respiratory tract, and gastrointestinal tract. |
| BLS | <ul style="list-style-type: none"> Follow General Medical Care M-01. For pediatric patients, follow General Pediatric Care P-01. If applicable, remove allergen For moderate to severe allergic reactions, BLS providers should utilize Epinephrine Auto-Injector BP-06. |
| ALS | <p>MILD ALLERGIC REACTION: Urticaria:</p> <ul style="list-style-type: none"> Diphenhydramine: <i>Adult:</i> IV/IO 25mg. May repeat once in 5 min. IM 50 mg. No repeat doses <p style="text-align: right;"><i>Pediatric:</i> IV/IO/IM; base order required for repeat dosing. Administer according to PediaTape weight calculation and Pediatric Medication Reference Cards.</p> <p>MODERATE ALLERGIC REACTION: Urticaria, swelling of the mucous membranes, profound dyspnea, wheezing, chest or throat tightness, abdominal cramps.</p> <ul style="list-style-type: none"> Epinephrine (1:1,000): <i>Adult:</i> 0.3 mg IM, may repeat x 2 at 10 minutes intervals as clinically indicated. <p style="text-align: right;"><i>Pediatric:</i> IM; may repeat once in 10 minutes. Administer according to PediaTape weight calculation and Pediatric Medication Reference Cards.</p> Diphenhydramine: <i>Adult:</i> IV/IO 25mg. May repeat once in 5 min. IM 50 mg. No repeat doses <p style="text-align: right;"><i>Pediatric:</i> IV/IO/IM; base order required for repeat dosing. Administer according to PediaTape weight calculation and Pediatric Medication Reference Cards.</p> Albuterol: <i>Adult:</i> 5 mg in 6 mL NS nebulizer. Repeat as clinically indicated. <p style="text-align: right;"><i>Pediatric:</i> Nebulized; repeat as clinically indicated. Administer according to PediaTape weight calculation and Pediatric Medication Reference Cards.</p> |

SEVERE ALLERGIC REACTION/ANAPHYLAXIS: Urticaria, swelling of the mucous membranes, profound dyspnea, audible wheezing, chest or throat tightness, abdominal cramps and signs of shock, including: Poor skin signs, altered mental status, and hypotension.

- **Epinephrine (1:1,000):** *Adult:* 0.3 mg IM, may repeat x 2 at 10 minutes intervals as clinically indicated.
Pediatric: IM; may repeat once in 10 minutes.
Administer according to PediaTape weight calculation and [Pediatric Medication Reference Cards](#).
- **Diphenhydramine:** *Adult:* IV/IO 25mg. May repeat once in 5 min.
IM 50 mg. No repeat doses
Pediatric: IV/IO/IM; base order required for repeat dosing.
Administer according to PediaTape weight calculation and [Pediatric Medication Reference Cards](#).
- **Albuterol:** *Adult:* 5 mg in 6 mL NS nebulizer. Repeat as clinically indicated.
Pediatric: Nebulized; repeat as clinically indicated.
Administer according to PediaTape weight calculation and [Pediatric Medication Reference Cards](#).
- **Fluid Challenge AP-09.**
- **BASE HOSPITAL ORDERS**
 - **Epinephrine (1:10,000):** *Adult:* 0.1 mg IV/IO, may repeat once in 10 minutes if clinically indicated.
Pediatric: Not locally indicated.

- Treat as an allergic reaction only if history of exposure to allergen (such as bee sting) or other signs of acute allergy – such as hives, itching, erythema, edema, stridor, respiratory distress, wheezing, or hypotension.
- Be cautious in using Epinephrine in patients over 65 years of age, or patients with history of cardiovascular disease.
- Be cautious of Albuterol side effects with multiple doses (e.g., increase anxiety, tachycardia, tremulousness, and blood pressure).