

ED OBSERVATION UNIT: ANAPHYLAXIS AND ANGIOEDEMA PROTOCOL NYC H+H KINGS COUNTY HOSPITAL CENTER

General Observation Guidelines apply for all ED observation patients.

INCLUSION CRITERIA	EXCLUSION CRITERIA
<ul style="list-style-type: none"> ● Local skin eruptions ● Clinical impression of angioedema or anaphylaxis ● Able to speak in full sentences ● Administration of subcutaneous epinephrine 	<ul style="list-style-type: none"> ● Clinical suspicion or fiberoptic scope evidence of deep airway involvement ● Requirement for continuous IV epinephrine ● Respiratory distress <ul style="list-style-type: none"> ○ SaO₂ < 90% (on room air) ○ Tachypnea ○ Stridor or other evidence of impending airway compromise

INTERVENTIONS	OPTIONAL INTERVENTIONS
<ul style="list-style-type: none"> ● Cardiac monitor and oxygen saturation monitoring ● IV Fluids as needed ● Antihistamines ● Corticosteroids (IV, PO) ● Patient education 	<ul style="list-style-type: none"> ● Supplemental oxygen ● Albuterol +/- ipratropium ● Chest X-ray Imaging ● Epinephrine auto-injector teaching and prescription

DISPOSITION	
<p>Home:</p> <ul style="list-style-type: none"> ● Resolution or improvement in local skin irritations and/or respiratory function 	<p>Admission:</p> <ul style="list-style-type: none"> ● Significant respiratory symptoms persist ● Delayed reaction or reoccurrence ● Does not meet discharge criteria after observation period

Last updated 7/19/2022

Reviewed by Bobak Zonnoor MD, Raymond Beyda MD, Rajesh Verma, MD

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Sources

1. Sampson HA, Muñoz-Furlong A, Campbell RL, et al. Second symposium on the definition and management of anaphylaxis: summary report--second National Institute of Allergy and Infectious Disease/Food Allergy and Anaphylaxis Network symposium. *Ann Emerg Med* 2006;47(4):373–80.
2. Moellman JJ, Bernstein JA, Lindsell C, et al. A consensus parameter for the evaluation and management of angioedema in the emergency department. *Acad Emerg Med* 2014;21(4):469–84.
3. Singer E, Zodda D. Allergy And Anaphylaxis: Principles Of Acute Emergency Management. *Emerg Med Pract* 2015;17(8):1–19; quiz 20.

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