



Yolo County Emergency Medical Services Agency

Protocols

Revised Date: June 1, 2023

ALLERGIC REACTION & ANAPHYLAXIS																			
Adult	Pediatric																		
Definitions																			
<p>Allergic Reaction: Acute onset cutaneous reactions with any of the following symptoms:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Hives</td> <td style="width: 50%;">Angioedema not involving airway</td> </tr> <tr> <td>Pruritus</td> <td>Rash</td> </tr> <tr> <td>Flushing</td> <td></td> </tr> </table> <p>Anaphylaxis: Allergic Reaction as defined above with one or more of the following:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Stridor</td> <td style="width: 33%;">Wheezing</td> <td style="width: 33%;">Vomiting</td> </tr> <tr> <td>Hoarseness</td> <td>Edema involving airway</td> <td>Diarrhea</td> </tr> <tr> <td>Hypotension</td> <td>Airway Compromise</td> <td></td> </tr> <tr> <td>Decreased LOC</td> <td>Abdominal Pain</td> <td></td> </tr> </table>		Hives	Angioedema not involving airway	Pruritus	Rash	Flushing		Stridor	Wheezing	Vomiting	Hoarseness	Edema involving airway	Diarrhea	Hypotension	Airway Compromise		Decreased LOC	Abdominal Pain	
Hives	Angioedema not involving airway																		
Pruritus	Rash																		
Flushing																			
Stridor	Wheezing	Vomiting																	
Hoarseness	Edema involving airway	Diarrhea																	
Hypotension	Airway Compromise																		
Decreased LOC	Abdominal Pain																		
BLS																			
Assess vital signs O ₂ , titrate SpO ₂ to ≥ 94% Lung Sounds Assist ventilations as appropriate Consider CPAP																			
BLS Local Scope																			
Anaphylaxis (> 30 kg)	Anaphylaxis (15 - 30 kg)																		
Epinephrine Auto Injector 0.3 mg IM <ul style="list-style-type: none"> Inject deep IM into the lateral thigh, midway between waist and knee No repeat Record time of injection 	Epinephrine Auto Injector 0.15 mg IM <ul style="list-style-type: none"> Inject deep IM into the lateral thigh, midway between waist and knee No repeat Record time of injection 																		
ALS																			
Cardiac Monitor, Waveform EtCO ₂ , Vascular Access																			
Allergic Reaction																			
Diphenhydramine 1 mg/kg IV/IM/PO <ul style="list-style-type: none"> Max 50 mg 	Diphenhydramine 1 mg/kg IV/IM/PO <ul style="list-style-type: none"> Max 50 mg 																		



Yolo County Emergency Medical Services Agency

Protocols

Revised Date: June 1, 2023

Adult	Pediatric
ALS cont.	
Anaphylaxis	
<p>Epinephrine (1:1,000) 0.3 mg IM</p> <ul style="list-style-type: none"> • May repeat x 2 every 10 minutes <p style="text-align: center;"><u>If SBP < 90 and/or Stridor</u></p> <p>PUSH DOSE Epinephrine (1:100,000)</p> <ul style="list-style-type: none"> • 1 mL every 1-5 minutes Until SBP > 90 and/or stridor ceases <p style="text-align: center;"><u>If SBP < 90 mmHg</u></p> <p>Fluid Bolus NS 250 mL IV/IO</p> <ul style="list-style-type: none"> • May repeat as needed <p style="text-align: center;"><u>If no response and patient on Beta Blockers</u></p> <p>Glucagon 1 mg IV/IO</p> <ul style="list-style-type: none"> • Given over 1 minute • No repeat <p style="text-align: center;"><u>If no IV/IO</u></p> <p>Glucagon 1 mg IM/IN</p> <ul style="list-style-type: none"> • No repeat 	<p>Epinephrine (1:1,000) 0.01 mg/kg IM</p> <ul style="list-style-type: none"> • Deltoid or thigh • Max 0.3 mg • No repeat <p style="text-align: center;"><u>If no signs of improvement</u></p> <p>Epinephrine (1:10,000) 0.01 mg/kg IV/IO</p> <ul style="list-style-type: none"> • Max single dose 0.1 mg • No repeat <p style="text-align: center;"><u>If SBP < normal range for age</u></p> <p>Fluid Bolus NS 20 mL/kg IV/IO</p> <ul style="list-style-type: none"> • Titrate to age appropriate SBP
Wheezing/Bronchospasm	
<p>Albuterol 5 mg Nebulized</p> <ul style="list-style-type: none"> • May repeat x 1 <p style="text-align: center;"><u>And</u></p> <p>Ipratropium 500 mcg Nebulized</p> <ul style="list-style-type: none"> • No repeat 	<p>Albuterol 5 mg Nebulized</p> <ul style="list-style-type: none"> • May repeat x 1 <p style="text-align: center;"><u>And</u></p> <p>Ipratropium 500 mcg Nebulized</p> <ul style="list-style-type: none"> • No repeat
Direction	
<ul style="list-style-type: none"> • Contact Base Hospital for additional treatment 	