ALLERGIC REACTION / ANAPHYLAXIS

ALL PROVIDERS / EMT

	Focused history and physical exam.		
	Cardiac monitor, ETCO2, and pulse oximetry monitoring, when available.		
	Treatment Plan		
	• Eliminate the source of exposure, if possible. May require moving the patient to another location		
	Maintain airway.		
	Apply a cold pack to bite or sting site as necessary.		
	 Monitor closely for hypotension. 	3	
	Key Considerations		
	 If the patient has any respiratory distress and is conscious, treat and transport them in a position of comfort, including leaving a child in parent's lap. Determine if anaphylaxis is present: Non-anaphylactic allergic reaction: Symptoms involving only one organ system (i.e. itching, rash, or localized angioedema that does not involve the airway and is not associated with vomiting) 		
	 Anaphylaxis: More severe and is character 		
	 Hypotension after exposure to a likel 		
			idly after exposure to a likely allergen:
			aria, itching, face/lips/tongue swelling
	Respiratory compromise (dyspne		
			rticularly in infants/young children (vomiting,
	abdominal pain)		, , , , , , , , , , , , , , , , , , , ,
		ve IM e	epinephrine as soon as the diagnosis of anaphylaxis
	has been established.		
	ADULT		PEDIATRIC
	(>25 kg / 55lbs)		(< 25 kg / 55 lbs)
	EMT		EMT
	EMT		EMT
	Administer epinephrine 1 mg/ml (1:1000) for anaphylaxis by either:		Give or assist patient with epinephrine autoinjector ("Jr." 0.15 mg) IM for severe
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2020 Utah EMS Protocol Guidelines

- ☐ If **WHEEZING** is present:
 - **Albuterol 2.5 mg** nebulized every 10 minutes until symptoms improve
- ☐ If **STRIDOR** is present:
 - Epinephrine (1:1000) 2mL mixed with 3 mL of NS nebulized every 10 minutes until symptoms improve

PARAMEDIC

- © Epinephrine 2–10 mcg/min IV/IO infusion for hypoperfusion. Titrate to maintain a SBP >100 mmHg
- Push Dose Epinephrine 10mcg as needed to maintain a SBP >100 mmHg after fluid bolus
- Norepinephrine initial dose: 0.05 1 mcg/kg/min IV/IO for hypoperfusion. Titrate to maintain a SBP > 100 mmHg. For patients in refractory shock: 8-30 mcg/minute

- ☐ If **WHEEZING** is present:
 - **Albuterol 2.5 mg** nebulized every 10 minutes until symptoms improve.
- ☐ If **STRIDOR** is present:
 - Epinephrine (1:1000) 2mL mixed with 3 mL of NS nebulized every 10 minutes until symptoms improve

PARAMEDIC

- Epinephrine 0.1–1 mcg/kg/min IV/IO infusion for hypoperfusion. Titrate to maintain a SBP >70 + (age in years x 2) mmHg
- Push Dose Epinephrine 1mcg/kg as needed to maintain a SBP>70 + (age in years x 2) mmHg after fluid bolus
- Norepinephrine initial dose: 0.05 0.1 mcg/kg/min, titrate to max of 2 mcg/kg/min to maintain SBP >70 + (age in years x 2) mmHg