



ALLERGIC REACTION / ANAPHYLAXIS

ADULT

PEDIATRIC

Allergic Reaction – a localized response from a suspected or known allergen involving the skin with any of the following symptoms: hives, redness, flushing, rash
Anaphylaxis – an allergic reaction with any of the following symptoms: stridor, wheezing, airway edema, hypotension, ALOC, abdominal pain, nausea, vomiting, diarrhea

BLS Procedures

Assess Airway.
Assess Vital Signs.
Oxygen, Titrate to SPO2 94% or higher.

ALLERGIC REACTION

Diphenhydramine 25 – 50 mg PO
 • Total max dose 50 mg

Diphenhydramine
 • < 25 kg, 12.5 mg PO
 • ≥ 25 kg, 25 mg PO
 • May repeat once

ANAPHYLAXIS

Epinephrine (1:1,000) 0.3 mg IM – Agency approved epi kit
Or
Epinephrine Auto Injector (Adult) 0.3 mg IM
 • IM into lateral thigh midway between waist and knee.
 • No repeat.

Epinephrine (1:1,000) 0.15 mg IM – Agency approved epi kit
Or
Epinephrine Auto Injector (Peds) 0.15 mg IM
 • IM into lateral thigh midway between waist and knee.
 • No repeat.

ALS Standing Orders

Follow BLS procedures if applicable.
IV/IO Access as needed.
Obtain ECG.
Obtain EtCO2 as needed.

ALLERGIC REACTION

Diphenhydramine 25 - 50 mg IM/IV/PO
 • Total max dose 50 mg

Diphenhydramine 1 mg/kg IM/IV/PO
 • Single max dose 25 mg
 • May repeat once

ANAPHYLAXIS

Epinephrine (1:1,000) 0.3 mg IM
 • May repeat x 2 if needed, every 10 minutes.
 • Total max dose 0.9 mg

Diphenhydramine 50 mg IM/IV/IO
If SBP < 90 mmHg

Fluid Bolus 500 ml IV/IO
 • May repeat as needed

If no improvement

Push Dose Epinephrine 20 mcg IV/IO
 • May repeat every 3 minutes as needed
 • Aim for SBP > 90 mmHg or signs of improvement

Wheezing or Stridor

Albuterol 5 mg Nebulized
 • May repeat once

AND/OR

Duo-Neb Nebulized (Ipratropium 0.5 mg/Albuterol 2.5 mg)
 • May repeat once

Epinephrine (1:1,000) 0.01 mg/kg IM
 • Single max dose 0.3 mg
 • May repeat x 2 if needed, every 10 minutes.

Diphenhydramine 1 mg/kg IM/IV/IO
 • Max dose 50 mg

If low SBP
0-9 – SBP < 70 mmHg + (2 x age in yrs.)
10 or older – SBP < 90 mmHg

Fluid Bolus 20 ml/kg IV/IO
 • May repeat as needed to appropriate SBP

If no improvement

Push Dose Epinephrine 10 mcg IV/IO
 • May repeat every 3 minutes as needed

Wheezing or Stridor

Albuterol 5 mg Nebulized
 • May repeat once

AND/OR

Duo-Neb Nebulized (Ipratropium 0.5 mg/Albuterol 2.5 mg)
 • May repeat once

Base Hospital Orders Only

Contact Base Hospital for treatment that exceeds written protocol