Pediatric – Anaphylaxis/Allergic Reaction

ABCDE Assessment

BLS

Anaphylaxis
(respiratory distress or shock)

Maintain Airway
High-flow oxygenation
Assist ventilations as necessary
Check glucose - treat if <40 mg/dl

Assist patient with or administer Epi pen if available
Assist patient with albuterol inhaler if available

ALS

Allergic Reaction
(no respiratory distress)

Consider:
Diphenhydramine 1mg/kg IV/IM up to 25mg
Methylprednisolone 2mg/kg IV
Albuterol SVNs prn
Epinephrine 0.01 mg/kg up to 0.3 mg (0.01-0.03mL/kg) of 1:1000

Anaphylaxis
(respiratory distress or shock)

Follow BLS Standards

Apply Monitor

Epinephrine SC or IM 1:1000 0.01 mg/kg up to 0.3 mg (0.01-0.03mL/kg)

Establish an IV/IO of NS.

For hypotension,
Epinephrine IV/IO infusion:
0.1mcg to 1.0 mcg/kg/minute

If signs and symptoms of hypoperfusion fluid bolus of 20 mL/kg. May repeat PRN.

BVM if respiratory failure or apnea
SVN Albuterol 2.5 mg/3 mL NS via mask/mouth-piece/in-line if wheezing
May repeat PRN.

Diphenhydramine 1 mg/kg IV/IM
Maximum 25 mg.

Consider Methylprednisolone 2 mg/kg IV

Allergic Reaction: itching, urticaria, nausea
Anaphylaxis: stridor, bronchospasm, severe abdominal pain, respiratory distress, shock, edema of the lips/face/tongue