Pediatric Anaphylaxis/Allergic Reaction

Pre-Medical Control
MFR/EMT/SPECIALIST/PARAMEDIC
1. Follow Pediatric Assessment and Treatment Protocol.
2. Determine substance or source of exposure, remove patient from source if known and able.
3. Assist the patient in administration of their own epinephrine auto-injector, if available.

EMT/SPECIALIST
4. In cases of severe allergic reaction, wheezing or hypotension:
   A. If child appears to weigh less than 10 kg (approx. 20 lbs.), contact medical control prior to epinephrine if possible.
   B. If child weighs between 10-30 kg (approx. 60 lbs.); administer Epi-Pen Jr.
   C. Child weighing greater than 30 kg; administer Epi-Pen.
5. Albuterol may be indicated. Refer to Nebulized Bronchodilators Procedure.

PARAMEDIC
6. If patient is symptomatic, administer diphenhydramine 1 mg/kg IM/IV/IO (maximum dose 50 mg).
7. In cases of severe allergic reaction, wheezing or hypotension:
   A. If child appears to weigh less than 10 kg (approx. 20 lbs.), contact medical control prior to epinephrine if possible.
   B. Child weighing less than 30 kg (approx. 60 lbs.); administer Epinephrine 1:1000, 0.15 mg (0.15 ml) IM OR via Epi-Pen Jr., if available.
   C. Child weighing greater than 30 kg; administer Epinephrine 1:1000, 0.3 mg (0.3 ml) IM OR via Epi-Pen if available.
8. In cases of profound anaphylactic shock (near cardiac arrest):
   A. Administer Epinephrine 1:10,000, 0.01 mg/kg (0.1 ml/kg) slow IV/IO to a maximum of 0.3 mg (3 ml).
10. Per MCA Selection administer Prednisone **OR** Methylprednisolone.

**Medication Options:**
- **Prednisone**
  50 mg tablet PO
  *(Children 6 and above, if tolerated)*
  □ YES  ✔ NO
- **Methylprednisolone**
  2 mg/kg IV/IO,
  *(maximum dose 125 mg)*
  ✔ YES  □ NO

**Post-Medical Control:**
1. Additional Epinephrine 1:1,000, 0.01 mg/kg (0.01 ml/kg) IM to a maximum of 0.3 mg (0.3 ml), OR via auto-injector.
2. Administer Epinephrine 1:10,000, 0.01 mg/kg (0.1 ml/kg) to a maximum of 0.3 mg (3 ml) slow IV/IO.
**Michigan Pediatric Treatment Protocols**

**PEDIATRIC ANAPHYLAXIS/ALLERGIC REACTION**

**Follow Pediatric Assessment & Treatment Protocol**

- Determine substance or source of exposure, remove patient from source if known and able
- Assist the patient in administration of their own epinephrine auto-injector, if available.

**If patient symptomatic,**
administration diphenhydramine
1 mg/kg IM/IV/IO (max dose 50 mg)

In cases of severe allergic reaction, wheezing or hypotension:
- If child appears to weigh less than 10 kg (approx. 20 lbs.); contact Medical Control prior to Epinephrine, if possible.
- Child weighing less than 30 kg (approx. 60 lbs.); administer Epinephrine 1:1000, 0.15 mg (0.15ml) IM OR via Epi-Pen Jr., if available.
- Child weighing greater than 30 kg; administer Epinephrine 1:1000, 0.3 mg (0.3ml) IM OR via Epi-Pen Jr., if available.

In cases of profound anaphylactic shock (near cardiac arrest):
Administer Epinephrine 1:10,000, 0.01 mg/kg (0.1 ml/kg) slow IV/IO, to a maximum of 0.3 mg (3 ml)

**Per MCA selection administer Bronchodilator per Nebulized Bronchodilator Procedure.**
Per MCA selection administer Prednisone OR Methylprednisolone.

**Contact Medical Control**

- Additional Epinephrine 1:1,000, 0.01 mg/kg (0.01 ml/kg) IM to a maximum of 0.3 mg (0.3 ml), OR via auto injector
- Administer Epinephrine 1:10,000, 0.01 mg/kg (0.1 ml/kg) to a maximum of 0.3 mg (3 ml) slow IV/IO.

**Medication Options**

- Prednisone
  - 50 mg tablet PO (Children 6 and above, if tolerated)
- Methylprednisolone
  - 2 mg/kg IV/IO, (maximum dose 125 mg)

- **YES**
- **NO**