05-0805 – Pediatric Allergic Reaction Anaphylaxis

AUTHORITY: Health and Safety Code Division 2.5, California Code of Regulations, Title 22, Division 9

Pediatric Patients are those 30kg (66lbs) or less

- Allergic Reaction: Acute onset of hives, pruritus, flushing, or rash.
- Anaphylaxis: One or more of the following symptoms: Stridor, wheezing, hoarseness, airway edema, hypotension
- In Extremis: Anaphylaxis with 1 or more of the following: SBP<90, airway compromise, altered mental status

Diphenhydramine

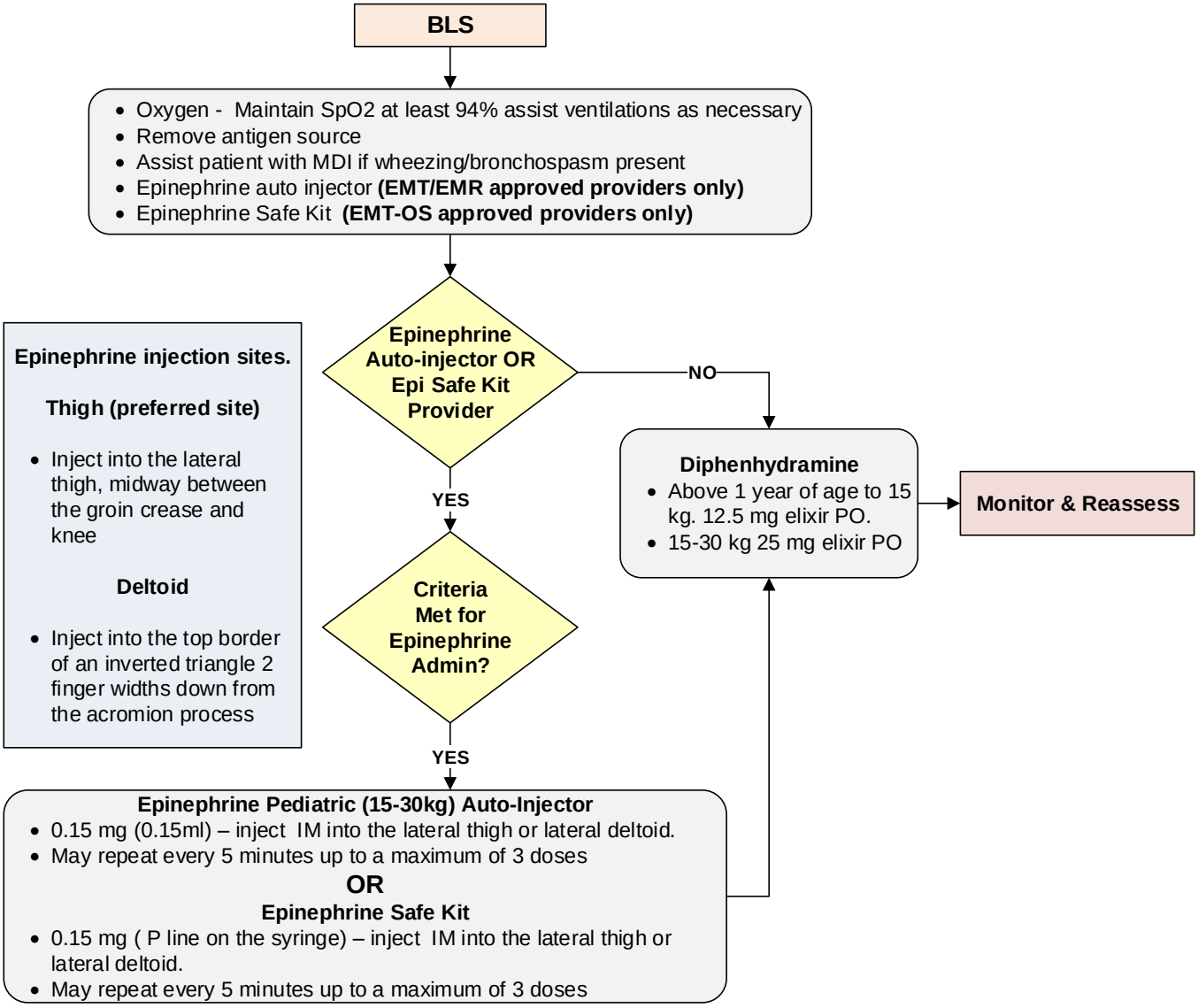
- Elixir may be given by EMT, AEMT, AEMT-OS personnel if the patient is 1 year of age or greater, is conscious, and can swallow easily

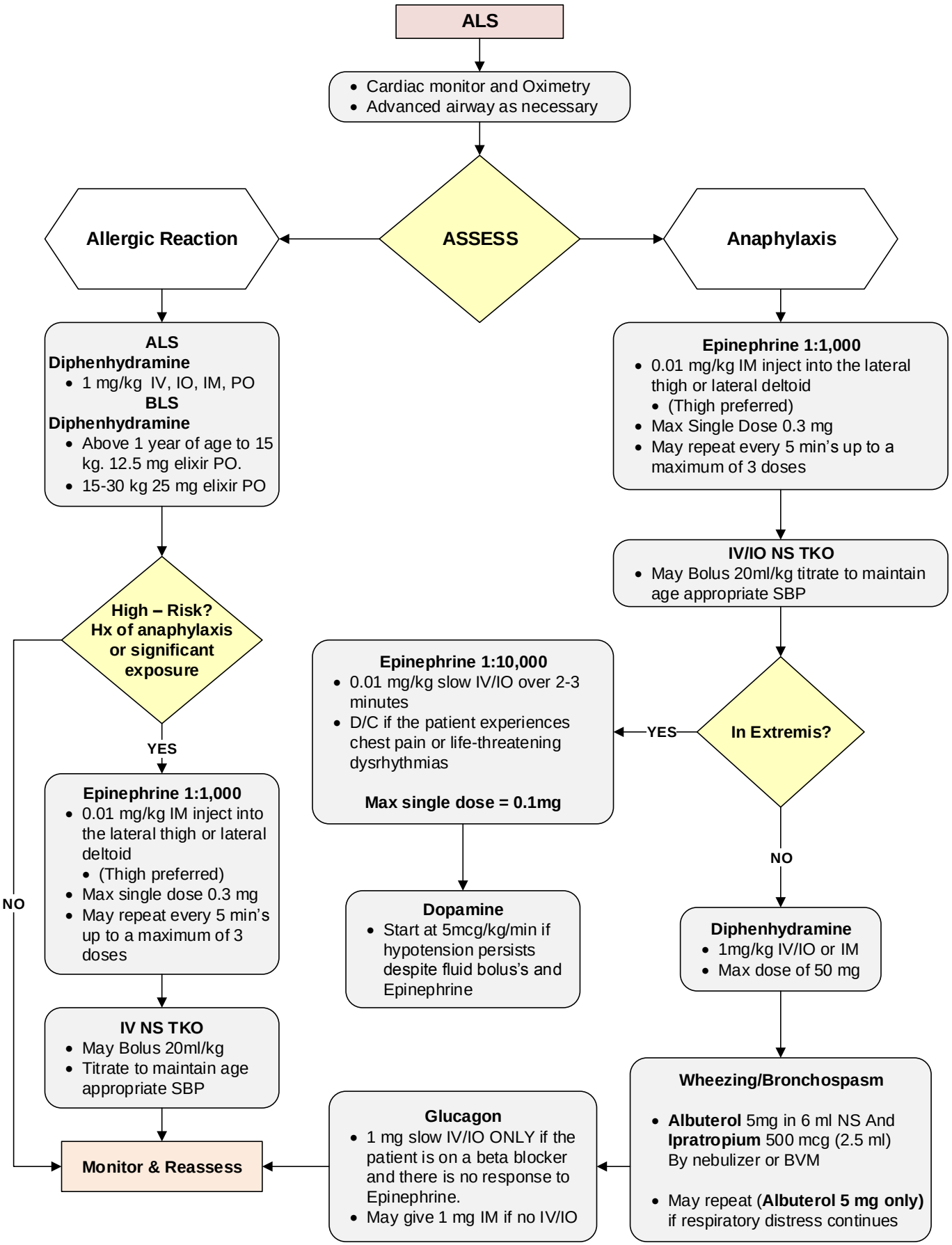
Epinephrine Auto-Injector Administration Criteria (EMT/EMR)

- Candidates for the administration of auto-injector Epinephrine by authorized EMT's and EMR's are patients in severe distress who have one or more of the anaphylaxis symptoms listed above.

Epinephrine IM Administration Criteria (EMT-OS)

- Candidates for the administration of IM Epinephrine by authorized EMT-OS utilizing Nor-Cal EMS Approved Kits Only are patients in severe distress who have one or more of the anaphylaxis symptoms listed above.




ALS
Cardiac monitor and Oximetry
Advanced airway as necessary
ASSESS
Allergic Reaction
Anaphylaxis
ALS
Diphenhydramine
1 mg/kg IV, IO, IM, PO
BLS
Diphenhydramine
Above 1 year of age to 15 kg. 12.5 mg elixir PO.
15-30 kg 25 mg elixir PO
High – Risk? Hx of anaphylaxis or significant exposure
YES
NO
Epinephrine 1:1,000
0.01 mg/kg IM inject into the lateral thigh or lateral deltoid
(Thigh preferred)
Max single dose 0.3 mg
May repeat every 5 min's up to a maximum of 3 doses
IV NS TKO
May Bolus 20ml/kg
Titrate to maintain age appropriate SBP
Monitor & Reassess
Epinephrine 1:1,000
0.01 mg/kg IM inject into the lateral thigh or lateral deltoid
(Thigh preferred)
Max Single Dose 0.3 mg
May repeat every 5 min's up to a maximum of 3 doses
IV/IO NS TKO
May Bolus 20ml/kg titrate to maintain age appropriate SBP
In Extremis?
YES
NO
Epinephrine 1:10,000
0.01 mg/kg slow IV/IO over 2-3 minutes
D/C if the patient experiences chest pain or life-threatening dysrhythmias
Max single dose = 0.1mg
Dopamine
Start at 5mcg/kg/min if hypotension persists despite fluid bolus's and Epinephrine
Diphenhydramine
1mg/kg IV/IO or IM
Max dose of 50 mg
Wheezing/Bronchospasm
Albuterol 5mg in 6 ml NS And Ipratropium 500 mcg (2.5 ml) By nebulizer or BVM
May repeat (Albuterol 5 mg only) if respiratory distress continues
Glucagon
1 mg slow IV/IO ONLY if the patient is on a beta blocker and there is no response to Epinephrine.
May give 1 mg IM if no IV/IO