

**Inclusion Criteria**  
Age: ≥ 24 months of age

H/o asthma, reactive airway disease or wheezing +/- family history of asthma

**Exclusion Criteria**  
Contraindication/allergy to medications used within guideline.

Disease of other origin: pneumonia, bronchiolitis, croup

Complicated medical history including congenital/acquired heart disease, chronic lung disease/bronchopulmonary dysplasia/cystic fibrosis, immune-mediated disorders, tracheostomy

**Criteria for radiographic imaging or labs:**  
No absolute indication.

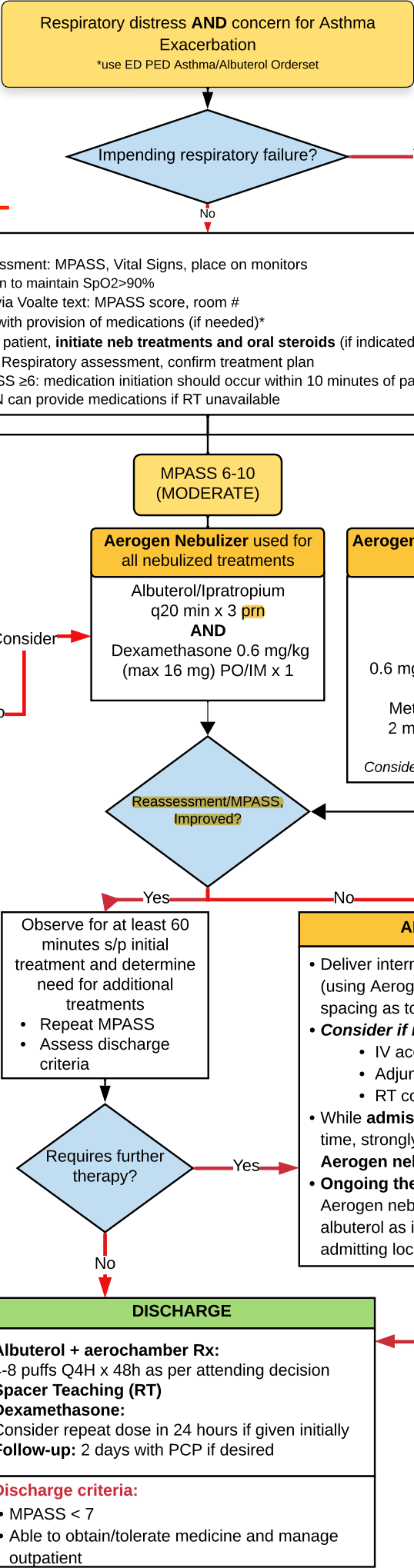
Consider radiographic imaging in children with:

- Fever ≥ 39°C, hypoxia, focal abnormality on pulmonary examination,
- Absence of family history of asthma, or those who respond less favorably than expected to bronchodilator therapy.
- May also consider in patients with concern for presence of foreign body, pneumomediastinum or pneumothorax.

Consider blood gas testing if there is a clinical worsening of mental status, neurologic and/or respiratory exam.

Medication	Dosing (per orderset)
Albuterol (nebulized)	<20 kg: 2.5 mg ≥20 kg: 5 mg
Albuterol (metered-dose inhaler)	<20 kg: 4 puffs with aerochamber ≥20 kg: 8 puffs with aerochamber
Albuterol/Ipratropium (Duoneb)	<20 kg: 2.5mg Albuterol/0.5mg Ipratropium ≥20 kg: 2.5mg Albuterol/0.5mg Ipratropium + 2.5mg Albuterol
Continuous albuterol	Rarely utilized. If indicated, 20mg/hr regardless of weight
Adjunctive Medications	
Magnesium Sulfate	50 mg/kg IV x 1 (max 2 g) Administer with 20ml/kg normal saline bolus
Epinephrine	Epinephrine 1:1,000 (1 mg/mL): 0.01 mg/kg IM (max 0.3-0.5 mg)
Terbutaline	Loading dose: 10 mcg/kg IV/IM x 1 Infusion of 0.08 mcg/kg/min IV; titrate to effect

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