



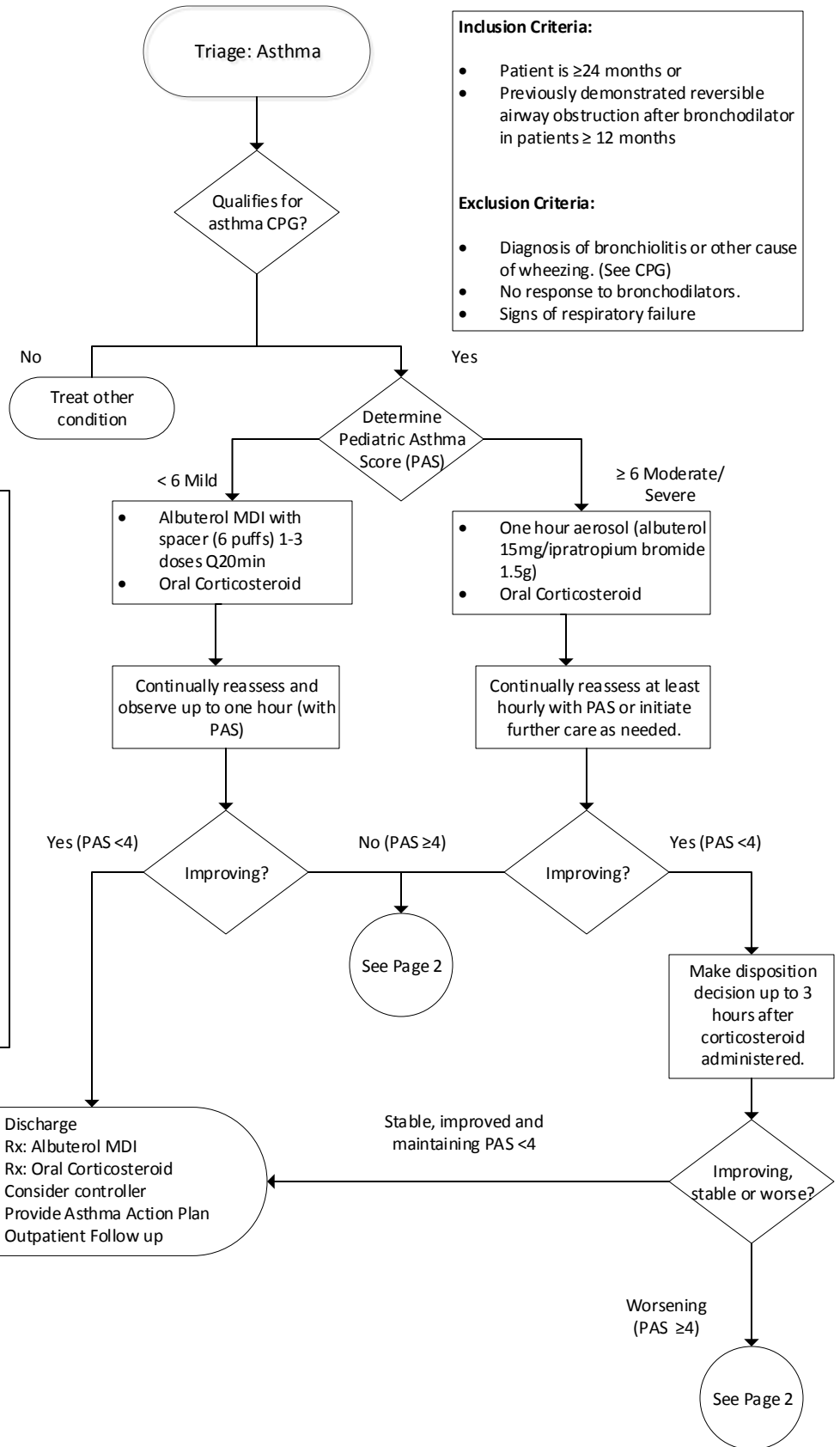
DAYTON CHILDREN'S HOSPITAL  
CLINICAL PRACTICE GUIDELINES

**DISCLAIMER:** This Clinical Practice Guideline (CPG) generally describes a recommended course of treatment for patients with the identified health needs. This CPG is not presented and should not be used as a substitute for the advice of a licensed independent practitioner, as individual patients may require different treatments from those specified, and guidelines cannot address the unique needs of each patient. Dayton Children's shall not be liable for direct, indirect, special, incidental or consequential damages related to the use of this CPG.



# Asthma Care Program

- Inclusion Criteria:**
- Patient is  $\geq 24$  months or
  - Previously demonstrated reversible airway obstruction after bronchodilator in patients  $\geq 12$  months
- Exclusion Criteria:**
- Diagnosis of bronchiolitis or other cause of wheezing. (See CPG)
  - No response to bronchodilators.
  - Signs of respiratory failure



- Respiratory Failure Pathway**
- ABC's
    - Optimize airway
    - Supplemental oxygen
    - Ventilator support
  - Epinephrine IM (0.15mg or 0.3 mg prior to IV access)
  - 15mg Albuterol with 1.5mg Ipratropium via MiniHeart Neb over 1 hour
  - Ipratropium 0.75-1.5mg nebulized within the first hour
  - Continuous Albuterol nebulization (15-40 mg/hr)
  - Obtain IV access
  - Normal saline bolus (20 ml/Kg-max of 1000ml). Preferably before intubation, but should not delay in establishing an airway.
  - Magnesium 50mg/kg, max 2g over 20-30 minutes IV
  - Solumedrol 2mg/kg (max 125mg) or Dexamethasone 0.6mg/kg (max 16mg)
  - Ketamine 0.6-1.0 mg/kg for bronchodilation. 2mg/kg for rapid sequence induction
- These patients will be admitted to the PICU after stabilization.**

