

Asthma: diagnosis and chronic management in children ≤11 years

Key Facts

- Asthma in children can be challenging to diagnose and requires careful history of previous treatments for respiratory symptoms.
- Children who are usually well and ONLY wheeze when they have a viral illness should NOT be diagnosed with asthma. They have viral wheeze. Inhaled short acting beta-agonists (salbutamol) may help.

Clinical Presentation

Breathlessness, wheeze, chest tightness, or cough that is:

- ✓ Worse at night and early morning or with a viral infection
- ✓ Comes with/after exercise
- ✓ Comes with allergen exposure or cold air.

Investigation

- ✓ A good history is more important than any test. Focus on the features above (Xrays and blood tests only helpful if another condition suspected)
- Spirometry is the gold standard for diagnosis, but rarely necessary and currently not available in Kijabe.
- Trial of treatment with SABA (as needed) and 8 weeks of inhaled steroids can be used to confirm the diagnosis.

Management

Transfer patient to Casualty if features of Asthma exacerbation: unstable vitals, patient can't complete sentences, difficulty in breathing with use of accessory muscles.

Management of chronic stable asthma

See attached GINA 2021 stepwise management figures on page 2 and 3 for children under 5 years and 6-11 years respectively.

- ✓ Seek OPD consultant advice before escalating to step 3.
- ✓ A spacer device should **always** be used with an aerosol/MDI inhaler. Children under 10 years cannot coordinate their breathing well enough to use any other device. Use a bottle if they can't afford spacer.
- ✓ Check inhaler/spacer technique before escalating to the next step (see separate protocol on 'Inhaler technique in asthma and COPD').
- ✓ Check and prescribe recommended inhaler doses in mcg and NOT in puffs only.

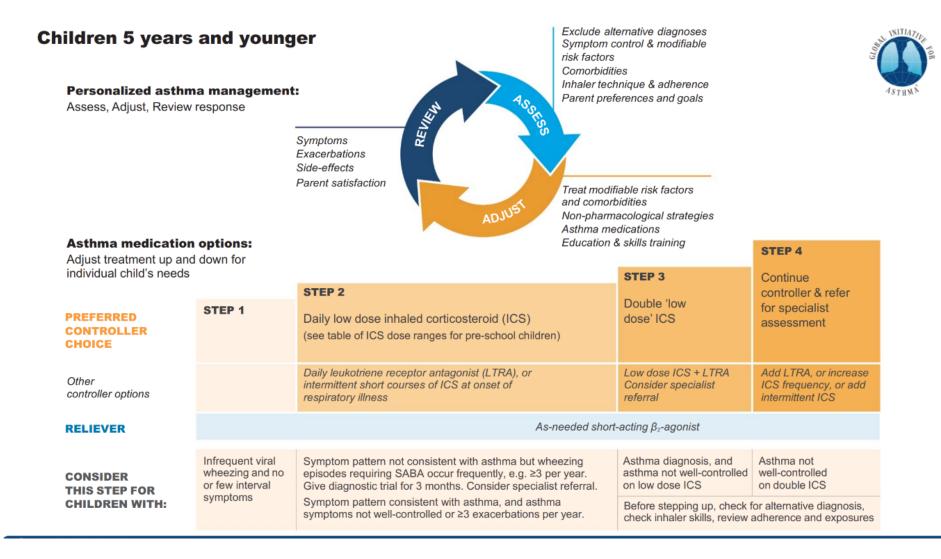
References:

2019 Primary Care International COPD Clinical Guide

Global Initiative for Asthma (GINA) 2021 Guideline

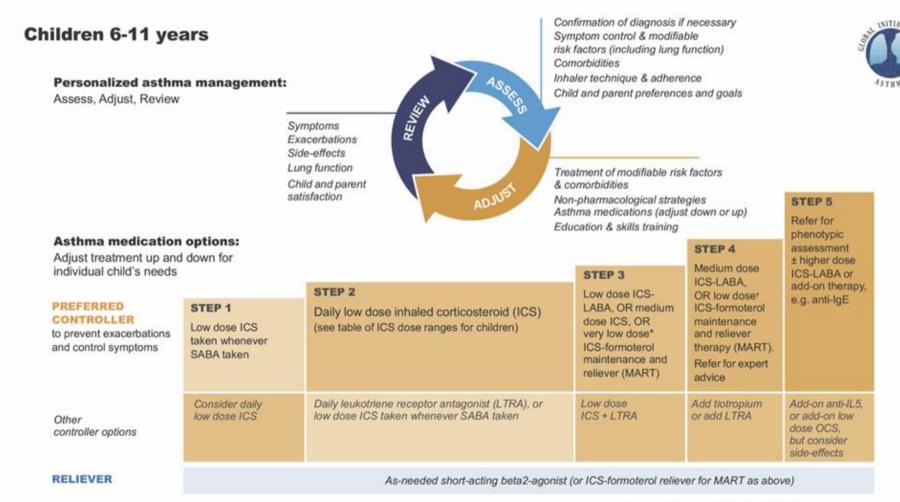


Kijabe OPD Guidelines





Kijabe OPD Guidelines



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