TEAM ASTHMA: BACK ON TRACK
Preconference Session
August 4, 2022
SMART Therapy and Asthma
Management in Special Populations

SMART Therapy: Children Under 12 years of Age

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Objectives:

- The learner will be able to describe how a SMART asthma management plan is different from a standard asthma plan.
- The learner will be able to name the two currently available medications that are appropriate for a SMART asthma management plan.

2020 FOCUSED UPDATES TO THE Asthma Management Guidelines Industrial to the Asthma Management Guidelines: A Report from the National Asthma Education and Prevention Program Coordin

2020 Pocused Updates to the Asthma Management Guidelines: A Report from the National Asthma Education and Prevention Program Coordinating Committee Expert Panel Working Group to help clinicians integrate the new recommendations inclinical care. The full 2020 Report, which is focused on selected topics rather than a complete revision of the 2007 Expert Panel Report 3: Guidelines for the Diagnosis and Management of Asthma (EPR-3), can be found at <a href="https://doi.org/10.1007/nnth

Intermittent Inhaled Corticosteroids

Long-Acting Muscarinic Antagonists

Indoor Allergen Mitigation

Immunotherapy in the Treatment of Allergic Asthma

Fractional Exhaled Nitric Oxide Testing

Bronchial Thermoplasty

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What is SMART?

Single Maintenance And Reliever Therapy

Who?

Patients with asthma 5 years of age and older requiring step 3 and 4 treatment

Which medications can be SMART? ICS/LABA: formoterol only

Advair

AirDuo

Wixela Inhub-all contain salmeterol and should not be prescribed as SMART

2020 FOCUSED UPDATES TO THE Asthma Management Guidelines 4 SINGLE MAINTENANCE AND RELIEVER THERAPY (SMART) IMPLEMENTATION GUIDANCE AND CONSIDERATIONS FOR SHARED DECISION MAKING

- Target population: Individuals 4 years and older with a severe exacerbation in the prior year are particularly good candidates for SMART to reduce exacerbations.
- Who should not receive this treatment: Do not use ICS/formoterol as reliever therapy in individuals taking ICS/salmeterol as maintenance therapy.
- Treatment: Inhaled ICS/formoterol in a single inhaler. This form of therapy has only been studied with formoterol as the long-acting beta2-agonist (LABA).
- *SMART is appropriate for Step 3 (low-dose ICS) and Step 4 (medium-dose ICS) treatment.
- *Individuals whose asthma is uncontrolled on maintenance ICS-LABA with SABA as quick-relief therapy should receive the preferred SMART if possible before moving to a higher step of therapy.
- *ICS-formoterol should be administered as maintenance therapy with 1–2 puffs once or twice daily (depending on age, asthma severity, and ICS dose in the ICS-formoterol preparation) and 1–2 puffs as needed for asthma symptoms.
- *Maximum number of puffs per day is 8 (36 mcg formoterol) for children ages 4–11 years and 12 (54 mcg formoterol) for individuals ages 12 years and older.

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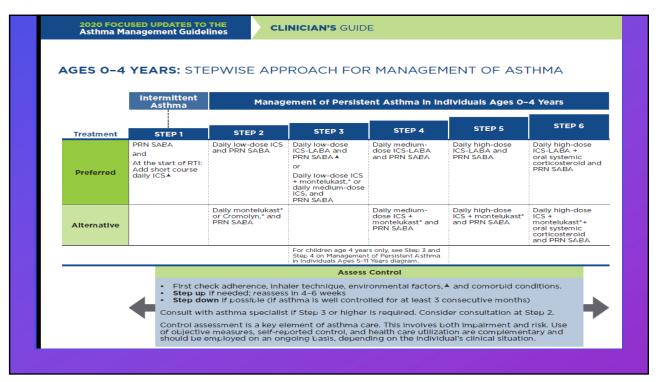
2020 FOCUSED UPDATES TO THE Asthma Management Guidelines

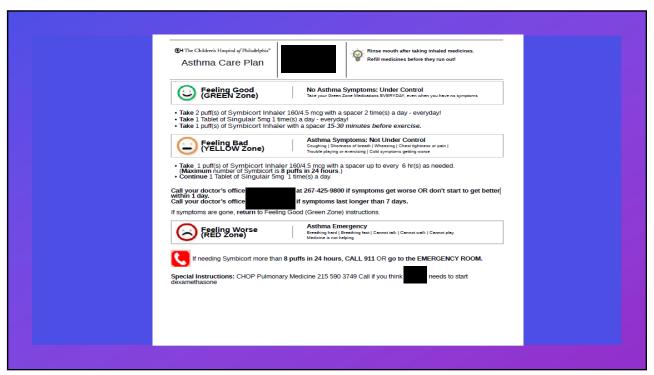
*Advise individuals to contact their physician if they need to exceed maximum number of puffs.

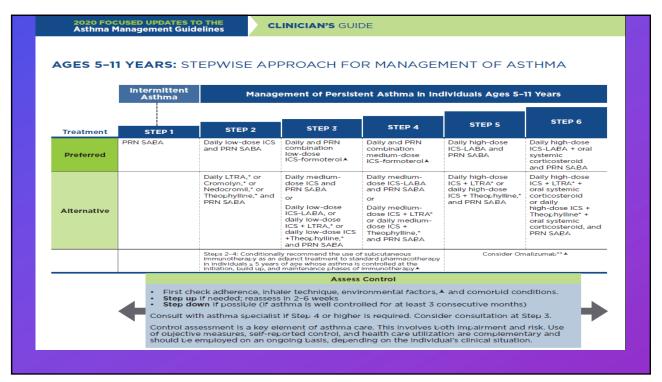
*Dose of formoterol was based on 4.5 mcg/inhalation, the most common preparation used in the studies reviewed.

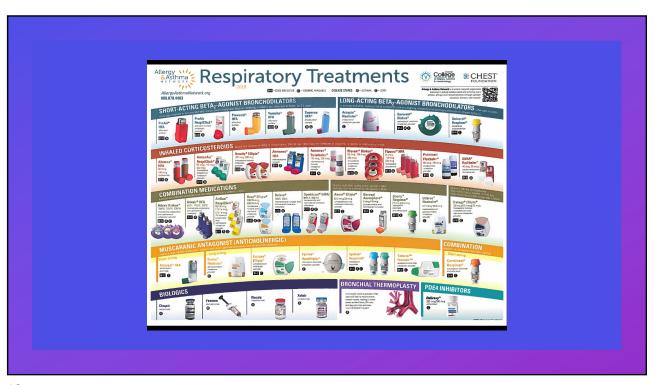
Potential benefits: In studies this treatment consistently reduced asthma exacerbations requiring unscheduled medical visits or systemic corticosteroids and in some studies improved asthma control and quality of life. Reduced exposure to oral corticosteroids and to ICS treatment suggest that the intervention might reduce future corticosteroid-associated harms.

- Potential risks: Studies found no difference in documented harms between this type of therapy and daily ICS, or ICS-LABA, with SABA as quick relief therapy.
- Other considerations: 9 In children ages 4–11 years, there may be a lower risk of growth suppression among those taking SMART versus daily higher-dose ICS treatment. 9 This recommendation might not be appropriate for some individuals with asthma because of cost, formulary considerations, or medication intolerance. 9 A 1-month supply of ICS-formoterol medication that is sufficient for maintenance therapy may not last a month if the inhaler is used for reliever therapy as well.











SMART Only two options:

Dulera: mometasone and formoterol: 50 mcg/5 mcg, 100 mcg/5mcg, 200 mcg/5 mcg

Symbicort: budesonide and formoterol: 80 mcg/4.5 mcg, 160 mcg/4.5 mcg

