

## Guidance to support the stepwise review of combination inhaled corticosteroid therapy for adults (≥18yrs) in asthma

This document has been produced to support prescribers in managing patients with asthma, giving guidance on stepping down treatment where it is appropriate to do so.

### **In general:**

- The BTS/SIGN guidance<sup>1</sup> on the management of asthma should be used to treat patients with the most appropriate treatment and dosage for the initial severity of their asthma.
- When reviewing asthma therapy remember the three “T’s”: Adherence with Treatment, inhaler Technique and Trigger factors.
- Inhaled corticosteroids (ICS) are safe and effective for most patients with asthma, although the risk of systemic side effects is greater when higher doses are used. The dose of ICS should be titrated to the lowest dose at which effective asthma control is maintained.<sup>2</sup>
- If asthma is controlled with a combination ICS/long-acting beta2 agonist (LABA) inhaler, the preferred approach is to reduce the ICS by approximately 25-50% whilst continuing the LABA at the same dose.<sup>1</sup>
- When decreasing maintenance therapy the potential risks and benefits should be discussed with the person (or family/carer where appropriate).<sup>5</sup>
- The decision to use a combination device or the two agents in separate devices should be made on an individual basis, taking into consideration therapeutic need and the likelihood of treatment adherence.<sup>4</sup>
- If control is maintained after stepping-down, further reductions in the ICS should be attempted at 12 week intervals until a low dose is reached, when the LABA may be stopped.<sup>3</sup>
- Only consider stopping ICS treatment completely for people who are using low dose ICS alone as maintenance therapy and are symptom free.
- Asthma UK produce a patient self-management plan which should be completed for all patients with asthma. [Click here to obtain an editable electronic copy of the Asthma UK patient self-management plan](#)
- **Complete asthma control** needs to be achieved for at least 12 weeks before attempting to step patients down<sup>1</sup> (See Table 1 below). The decision to step-down/up therapy should be jointly made between the clinician and the patient. When stepping patients down/up or switching therapy, prescribers should keep device changes to a minimum, consider the cost and beclometasone dipropionate (BDP) equivalence of different inhaler devices<sup>1</sup> (See Table 2 below).

**Table 1: Levels of asthma control – Assessment of current clinical control (over 4 weeks)**

	Level of asthma control		
Symptom	Completely controlled	Partly controlled	Uncontrolled
Daytime symptoms	Twice or less per week	>Twice per week	Three or more features of partly controlled asthma
Limitation on activities	None	Any	
Nocturnal symptoms / awakening	None	Any	
Need for reliever / rescue treatment	Twice or less per week	>Twice per week	
Lung function (PEF or FEV <sub>1</sub> )	Normal	<80% predicted or personal best	

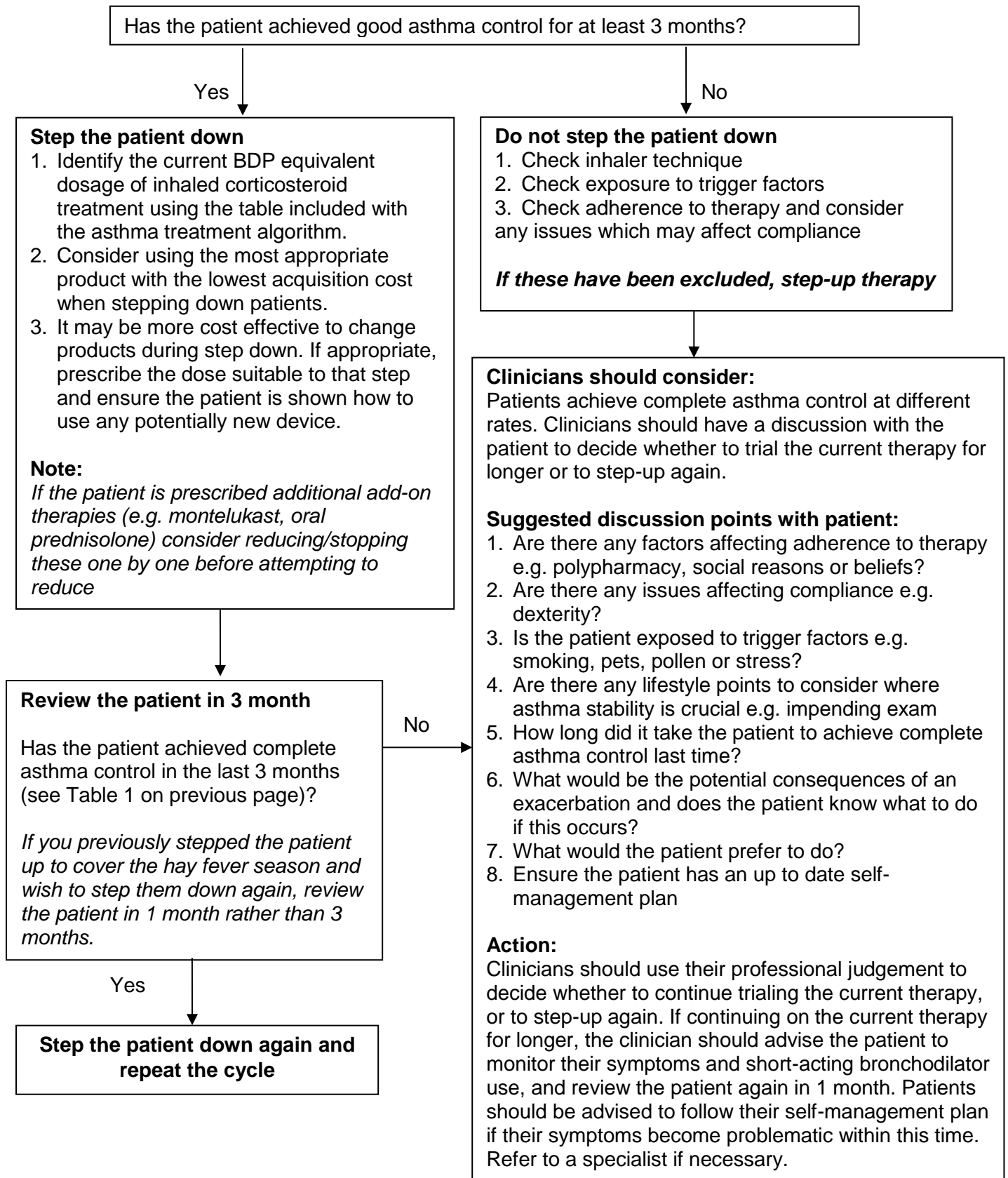
**Table 2: Corticosteroid equivalence to beclometasone**

Inhaled corticosteroid	Equivalent beclometasone dipropionate (BDP) dose
400mcg Clenil® (Beclometasone)	400mcg BDP
200mcg Qvar® (Beclometasone – extra fine)	400mcg BDP
200mcg Fostair® (Beclometasone – extra fine)	500mcg BDP
400mcg budesonide	400mcg BDP
200mcg fluticasone propionate	400mcg BDP
250mcg fluticasone	500mcg BDP

**References**

1. British Thoracic Society. Scottish Intercollegiate Guidelines Network. British Guideline on the Management of Asthma. Published September 2016  
<https://www.brit-thoracic.org.uk/document-library/clinical-information/asthma/btssign-asthma-guideline-2016/>
2. NPC MeReC Bulletin 2008;Vol. 19 no.2
3. Global Initiative for Asthma. Global Strategy for Asthma Management and Prevention. 2012 update  
[http://www.ginasthma.org/local/uploads/files/GINA\\_Report\\_March13.pdf](http://www.ginasthma.org/local/uploads/files/GINA_Report_March13.pdf)
4. National Institute for Health and Clinical Excellence. Inhaled corticosteroids for the treatment of chronic asthma in adults and in children aged 12 years and over. NICE technology appraisal guidance 138. 2008 Mar. <http://www.nice.org.uk/TA138>
5. National Institute for Health and Clinical Excellence. Asthma: Diagnosis, Monitoring and Chronic Asthma Management. November 2017  
<https://www.nice.org.uk/guidance/ng80/chapter/Recommendations#decreasing-maintenance-therapy>

## Guidance for stepping patients down



Guidance on the choice of inhalers when stepping down can be found on the following page.

Guidance on choice of inhaler when stepping up or down: *Please note: The following are examples of ICS step down that may be undertaken. This list is not exhaustive. The drugs in BOLD are on the Barnsley formulary for use in adult patients with asthma.*

HIGH DOSE (1600-2000mcg BDP equivalent) & LABA add-on therapy	MEDIUM DOSE (800-1000Mcg BDP equivalent) & LABA add-on therapy	LOW DOSE (400-500Mcg BDP equivalent) & LABA add-on therapy	LOW DOSE (400-500Mcg BDP equivalent)
Fostair 200/6 inhaler 2 puffs bd	Fostair 100/6 inhaler 2 puffs bd	Fostair 100/6 inhaler 1 puff bd	Clenil 100mcg mdi 2 puffs bd  Qvar 50mcg 2 puffs bd
ICS alone: Clenil 200mcg mdi 4 puffs bd Qvar 100mcg 4 puffs bd	ICS alone: Clenil 200mcg mdi 2 puffs bd Qvar 100mcg 2 puffs bd		
Seretide 500 Accuhaler 1 puff bd <b>Airflusal Forspiro 500</b> <b>1 puff bd</b>	Seretide 250 Accuhaler 1 puff bd	Seretide 100 Accuhaler 1 puff bd	<b>Fluticasone 50mcg Evohaler</b> <b>2 puffs bd</b>
Flutiform 250/10 2 puffs bd	Flutiform 250/10 inhaler 1 puff bd Flutiform 125/5 inhaler 2 puffs bd	Flutiform 125/5 inhaler 1 puff bd Flutiform 50/5 inhaler 2 puffs bd	Fluticasone 125mcg Evohaler 1 puff bd
Seretide 250 Evohaler 2 puffs bd <b>Airflusal 250 MDI ****</b> <b>2 puffs bd</b>	Seretide 125 Evohaler 2 puffs bd <b>Airflusal 125 MDI</b> <b>2 puffs bd***</b>	Seretide 50 Evohaler 2 puffs bd	
ICS alone: Fluticasone 250mcg evohaler 2 puffs bd	ICS alone: Fluticasone 125mcg evohaler 2 puffs bd		
Symbicort 400/12 2 puffs bd	Symbicort 400/12 Turbohaler 1p bd Symbicort 200/6 Turbohaler 2p bd	Symbicort 100/6 Turbohaler 2 puffs bd Symbicort 200/6 Turbohaler 2 puffs bd	Pulmicort Turbohaler 100mcg 2 puffs bd  Pulmicort Turbohaler 200mcg 1 puff bd
<b>DuoResp Spiromax** 320/9</b> <b>2 puff bd</b>	<b>DuoResp Spiromax</b> <b>320mcg/9mcg** 1p bd or</b> <b>160mcg/4.5mcg 2p bd</b>	<b>DuoResp Spiromax 160mcg/4.5mcg*</b> <b>1 puff bd</b>	<b>Easyhaler budesonide 100mcg</b> <b>2 puffs bd</b>
ICS alone: Pulmicort 400 2 puffs bd	ICS alone: Pulmicort 200 2 puffs bd  <b>Easyhaler budesonide 200 2 puffs</b> <b>bd</b>		<b>Easyhaler budesonide 200mcg</b> <b>1 puff bd</b>
***Equivalent to Seretide 125 Evohaler ****Equivalent to Seretide 250 Evohaler		*Equivalent to Symbicort 200/6 **Equivalent to Symbicort 400/12	