

## Adult ( $\geq 18$ years) Asthma Quick Reference Guide

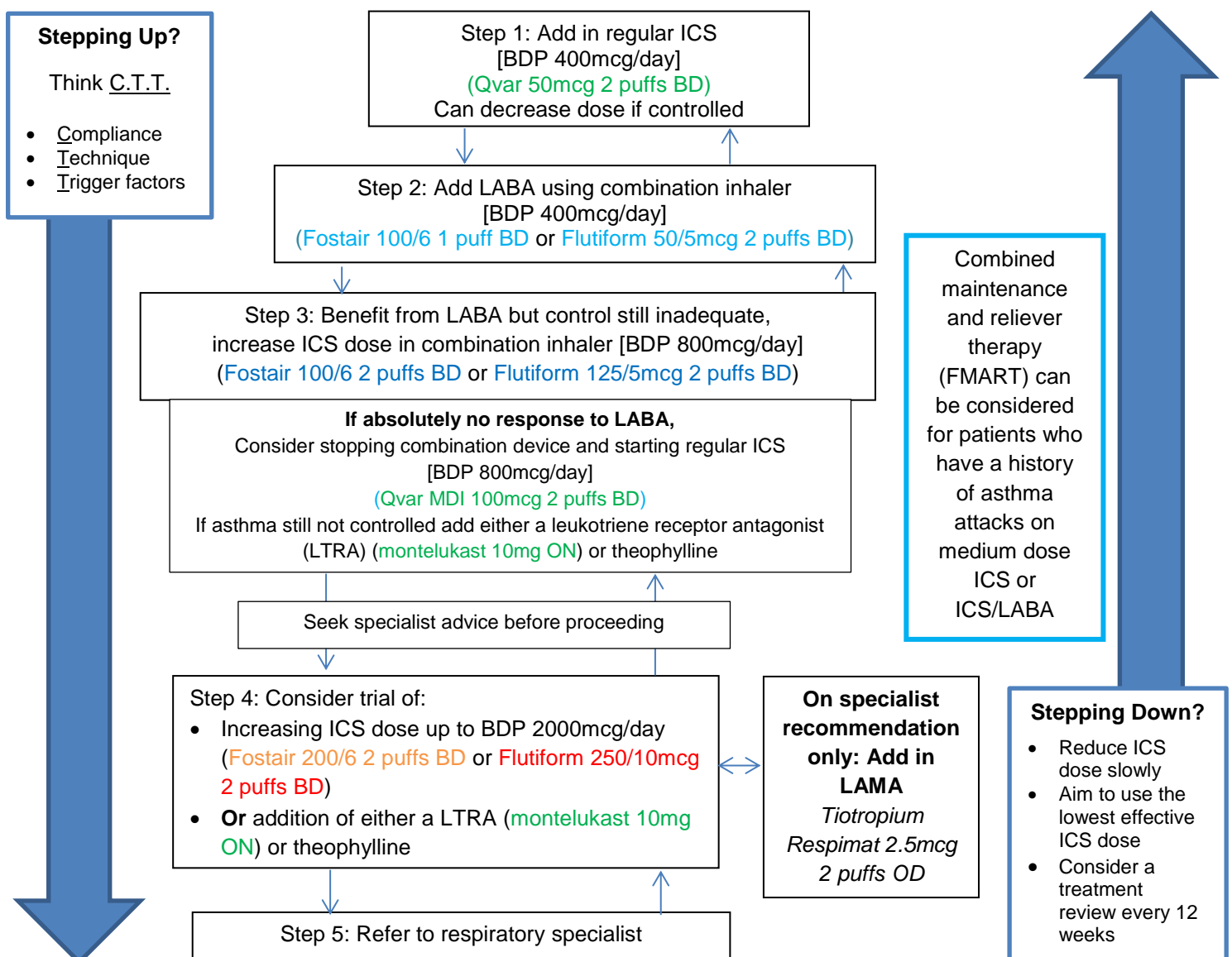
1<sup>st</sup> choice inhaler for each step is listed below. See over the page for alternative inhalers

### Key Points:

- Advise patients with asthma to stop smoking – refer to [One Life Suffolk/Provide](#) for advice and support.
- Start treatment at the step most appropriate to initial severity of their asthma.
- When control is good, treatment should be decreased<sup>1</sup>
- Patients should receive training for each device prescribed, and be able to demonstrate satisfactory technique.<sup>1</sup>
- Advise patients to monitor symptoms and return to clinic if no improvement or if symptoms worsen.
- Offer annual influenza vaccination to all patients with asthma that require continuous or repeated use of **inhaled or systemic** steroids or with previous exacerbations requiring hospital admission<sup>2</sup>.
- Offer a one-off pneumococcal vaccination to patients who require continuous or frequent repeated use of **oral** corticosteroids (i.e. at a dose equivalent to  $\geq 20$  mg prednisolone daily)<sup>2</sup>
- Check inhaler technique and concordance and reconsider diagnosis if response to treatment is unexpectedly poor.<sup>1</sup>
- Ensure patient has a self-management plan.
- Perform yearly asthma review.
- Consider a spacer device for patients prescribed a metered dose inhaler (MDI) who are:
  - Having difficulty co-ordinating actuation and inhalation.
  - Receiving high doses of inhaled corticosteroid (ICS) ( $>800$  mcg of beclometasone or equivalent daily).

### BTS guidance no longer recommends the use of SABA alone in asthma

Use inhaled SABA prn in combination with other inhalers at any point ([Salbutamol 100mcg MDI](#) or [Easyhaler 1-2 puffs prn](#))  
Consider stepping up if using more than three times per week.



	Step 1 [BDP 400-500mcg]	Step 2 [BDP 400-500mcg]	Step 3		Step 4 [BDP 1600 – 2000mcg]	Step 5
			LABA benefit but inadequate response [BDP 800 – 1000mcg]	LABA no benefit [BDP 800-1000mcg]		
Formulary options (for new initiations)	Qvar 50mcg (MDI) 2 puffs BD	Fostair 100/6mcg (MDI)* 1 puff BD	Fostair 100/6mcg (MDI)* 2 puffs BD	Qvar 100mcg (MDI) 2 puffs BD	<b>Seek specialist advice</b>  Fostair 200/6 (MDI)* 2 puffs BD  Fostair NEXThaler 200/6* (DPI) 2 puffs BD  Flutiform 250/10mcg* (MDI) 2 puffs BD  OR Montelukast 10mg tablets ON	Refer to specialist
	Qvar Autohaler 50mcg (BAA) 2 puff BD	Fostair NEXThaler* 100/6 (DPI) 1 puff BD NB. One inhaler will last 2 months at this dose	Fostair NEXThaler 100/6* (DPI) 2 puffs BD	Qvar Autohaler 100mcg (BAA) 2 puffs BD		
	Clenil Modulite 100mcg (MDI) 2puffs BD	Flutiform 50/5mcg* (MDI) 2 puffs BD  Flutiform K-haler 50/5mcg* (BAA) 2 puffs BD	Flutiform 125/5mcg* (MDI) 2 puffs BD  Flutiform K-haler 125/5mcg* (BAA) 2 puffs BD	Clenil Modulite 200mcg (MDI) 2 puffs BD  AND if still uncontrolled Montelukast 10mg tablets ON		
Use SABA as required (Salbutamol MDI 100mcg+spacer or Easyhaler Salbutamol 100mcg 1-2 puffs prn) Consider stepping up if needing 3 doses or more per week						

\* Inhaler features a dose counter

### Colour coded costs

Cost brackets for one year of regular treatment at specified dose.

<£150	£150 - £299	£300 - £399	>£400
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### Key

MDI	- Metered dose inhaler
DPI	- Dry powder inhaler
BAA	- Breathe actuated aerosol
ICS	- Inhaled corticosteroid
SABA	- Short acting $\beta_2$ agonist
LABA	- Long acting $\beta_2$ agonist
LTRA	- Leukotriene receptor antagonist
[BDP xxxmcg]	- Equivalent dose of beclometasone dipropionate

### Complete control of asthma: The 6 measures<sup>1</sup>

1. No daytime symptoms
2. No night-time awakening due to asthma
3. No need for rescue medication
4. No exacerbations
5. No limitation on activity including exercise
6. Normal lung function (FEV1 and/or PEF >80% predicted or best)

With minimal side-effects

### Criteria for specialist referral in adults<sup>1</sup>

- Prominent systemic features (myalgia, fever, weight loss)
- Unexplained restrictive spirometry
- Suspected occupational asthma
- Monophonic wheeze or stridor
- Chronic sputum production
- Chest X-ray shadowing
- Severe asthma exacerbation
- Unexpected clinical findings (i.e. crackles, clubbing, cyanosis)
- Persistent non-variable breathlessness
- Poor response to asthma treatment/ uncontrolled at step 4
- Marked blood eosinophilia (>1x10<sup>9</sup>/l)
- Diagnosis unclear

### High dose steroids

[BDP >800mcg daily]

Ensure patient has:

- a steroid card
- a spacer device (patients using an MDI only)

### Spacer devices (for MDI devices only)

- Replace device every 12 months
- Use either **Space Chamber Plus compact** (dishwasher safe) or **Aerochamber Plus**
- **Flo-tone device** (a mini spacer with training whistle) is available in primary care to encourage correct pMDI use

### Useful resources:

- IESCCG Asthma [action plans](#)
- Asthma UK [patient resources](#) and [action plans](#)
- High dose steroid cards [order form](#)
- Primary Care Respiratory Society ([PCRS-UK](#))

Produced by the Medicines Management Team, Ipswich and East Suffolk CCG in collaboration with North East Essex CCG and East Suffolk and North Essex NHS Foundation Trust August 2019 Version 1.0

References:

1. British Thoracic Society and Scottish Intercollegiate Guidelines Network (SIGN). British Guideline on the Management of Asthma. Published May 2008; last revision September 2016.
2. Department of Health. The Green Book - Immunisation against infectious disease. Chapter 19 Influenza (last updated April 2019) and Chapter 25 Pneumococcal (last updated January 2018).
3. National Institute for Health and Clinical Excellence (NICE). Clinical Knowledge Summaries (CKS) – Asthma. Last updated April 2018. Accessed via <http://www.cks.nhs.uk>