

Management of COPD in Primary Care

York and Scarborough Medicines Commissioning Committee

			See Drug Choices	Medicines Commissioning Committe
				Before initiating treatment and at
Start SABA	every review, refer to Assessment			
Assess response in 4 wee	Panel.			
proceeding to the next op If no benefit or persistent	Assess Response			
Step 2 See Drug Choi	Assess each new treatment step <u>4</u> weeks after initiation.			
	- Assess inhaler technique.			
FEV ₁ <u>></u> 50%		FEV ₁ <50%	of predicted	- Consider alternative diagnosis.
of predicted				 Has the treatment made a difference to you?
♦ With persistent	Persistent		2 or more	- Is your breathing easier in any
breathlessness	breathlessness with-		exacerbations in last	, wow?
breatmessness			12 months	- Has your sleep improved?
OPTION 1	out exacerbations OPTION 1		OPTION 1	- Can you do some things that you
	LAMA plus PRN			could not do before or do the
LAMA plus PRN SABA		op SAMA)	LABA + ICS	same things faster? - Are you less breathless than
(stop SAMA)	Consider LABA plus		Consider LABA +	before when doing these things?
Assess response in 4	PRN SABA/SAMA if		LAMA if ICS declined or not	- Record MRC scale.
weeks and review	LAMA not tolerated.		tolerated.	If no benefit STOP treatment and
assessment panel	Assess response in 4			consider alternative.
before proceeding to next option.	weeks and review		Assess response in 4 weeks and review	Try to prescribe the same type of
OPTION 2	assessment panel before proceeding to		assessment panel	device for each type of drug.
	next option.		before proceeding to	Pulmonary Rehabilitation Consider referral to pulmonary
LABA (continue SABA/ SAMA)	OPTION 2		next option.	rehabilitation if MRC score is 3+
	LABA + LAMA			Lifestyle Advice
Assess response in 4 weeks and review		sponse in 4		Smoking cessation - promote at
assessment panel	weeks and			every opportunity.
before proceeding to	assessment panel before proceeding to			Dietary advice - if BMI <18 or >30
next option.	next optio	U		Exercise - promote gentle exercise
				Self-Management
Step 3				Consider written self-management
f still symptomatic and	diagnosis	confirmed	See Drug Choices	plan for all patients and rescue pack
•		↓		for appropriate patients.
FEV ₁ ≥50% of predicted with		FEV ₁ <50	% of predicted with	Prescribe antibiotics in line with
persistent breathle	ssness	persistent breathlessness		antimicrobial guidance.
				Immunisation
management Consider plus LAM		Consider alternative diagnosis		Influenza annually Pneumococcal as per green book
		Consider triple therapy (LABA/ICS plus LAMA plus PRN SABA		Anxiety and Depression
		(stop SAMA))	Screen for depression and anxiety
Assess response in 4 weeks and Assess room			onse in 4 weeks and	using the PHQ-9 / HADS score.
			ssment panel	Oxygen Therapy
before proceeding to ne			eding to next option.	If SPO2 <92% (at rest & stable)
Triple therapy	refer via Home Oxygen Assessment & Referral (HOS-AR) form.			
LABA/ICS plus LAMA =	Chronic Productive Cough			
N.B. In mild disease the	Consider a trial of carbocisteine			
therapy is generally not patients by specialists o	375mg (2caps tds, reducing to 2cap			
Please refer to special		ns must use	the specified referral	bd). This should be stopped if there
pathway: http://www.v	is no benefit after a 4-week trial.			

May 2017 (updated Feb 2018 with new products); For review May 2019

Drug choices for the management of COPD

Key: MDI = metered dose inhaler. DPI = dry powder inhaler

Prescribe by brand

- To aid patient familiarity and identification of devices please prescribe by brand name.
- The choice of drug(s) should take into account the person's symptomatic response and preference, and the drug's potential to reduce exacerbations, its side effects and cost (NICE, 2010).

SABA (short acting beta agonist)

- Salbutamol 100mcg MDI, two inhalations four times a day, as and when required (\pounds 1.50) or
- Salbutamol 100mcg MDI and spacer device (Aerochamber® £4.90/Volumatic® £3.88) or
- Alternative SABA device to suit patient (e.g. salbutamol 100mcg Easyhaler® DPI £3.31/ terbutaline 500mcg Turbohaler DPI £8.30)

SAMA (short acting muscarinic antagonist)

• Ipratropium bromide 20mcg MDI 1-2 puffs QDS PRN (£5.56) +/- spacer

LAMA (long acting muscarinic antagonist) First line

• Incruse Ellipta®, DPI, umeclidinium 55mcg, one inhalation once a day (£27.50)

Alternative options

- Eklira Genuair®, DPI (blister and device), aclidinium 322mcg, one inhalation twice a day (£28.60)
- Seebri Breezhaler®, DPI (blister and device), glycopyrronium 44mcg, one inhalation once a day (£27.50)
- Spiriva Respimat®, MDI, tiotropium 2.5mcg, 2 puffs once daily (£23.00)

LABA + LAMA

First line

• Anoro Ellipta®, DPI, umeclidinium/vilanterol 55/22mcg, one inhalation once a day (£32.50)

Alternative options

- Duaklir Genuair®, DPI, aclidinium/formoterol 340/12mcg, one inhalation twice a day (£32.50)
- Ultibro Breezhaler®, DPI, (blister & device) indacaterol/glycopyrronium 85/43mcg, one inhalation once a day (£32.50)
- Spiolto Respimat®, MDI tiotropium/olodaterol 2.5/2.5mcg, 2 puffs once daily (£32.50)

LABA + ICS (long acting beta agonist and inhaled corticosteroid)

First line

• Relvar Ellipta®, DPI, fluticasone/vilanterol 92/22mcg, one inhalation once a day (£22.00)

Alternative options

- Fostair®, MDI, beclometasone/formoterol 100/6mcg, two inhalations twice a day (£29.32)
- Fostair NEXThaler®, DPI, beclometasone/formoterol 100/6mcg, two inhalations twice a day (£29.32)
- **DuoResp Spiromax**® 320/9mcg (£27.97) OR **Symbicort Turbohaler**® 400/12 (£28.00), both DPIs, budesonide/formoterol. Both dose equivalent one inhalation twice a day, patient will require appropriate device training.

ICS + LAMA + LABA (Triple therapy)

First line

- **Trelegy Ellipta**®, DPI, fluticasone/umeclidinium/vilanterol 92/55/22mcg, one inhalation once a day (£44.50) **Alternative options**
- Trimbow®, MDI, beclomethasone/glycopyrronium/formoterol 87/9/5mcg, two inhalations twice a day (£44.50)

Referral to a specialist When there is:	Onset of cor pulmonale Assessment of sur- gery: bullous lung disease Rapid decline in FEV ₁	alaba 1 antitrupain	 Supporting information : NICE (2010) Clinical Guidance <u>CG101</u> (under review, update due Nov 2018) GOLD (2017) <u>Global Strategy for the</u> <u>Diagnosis, Management and Preven-</u> tion of COPD
 Diagnostic uncertainty 		Frequent infectionHaemoptysis	
Uncontrolled severe COPD			

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See **BNF** for specific doses