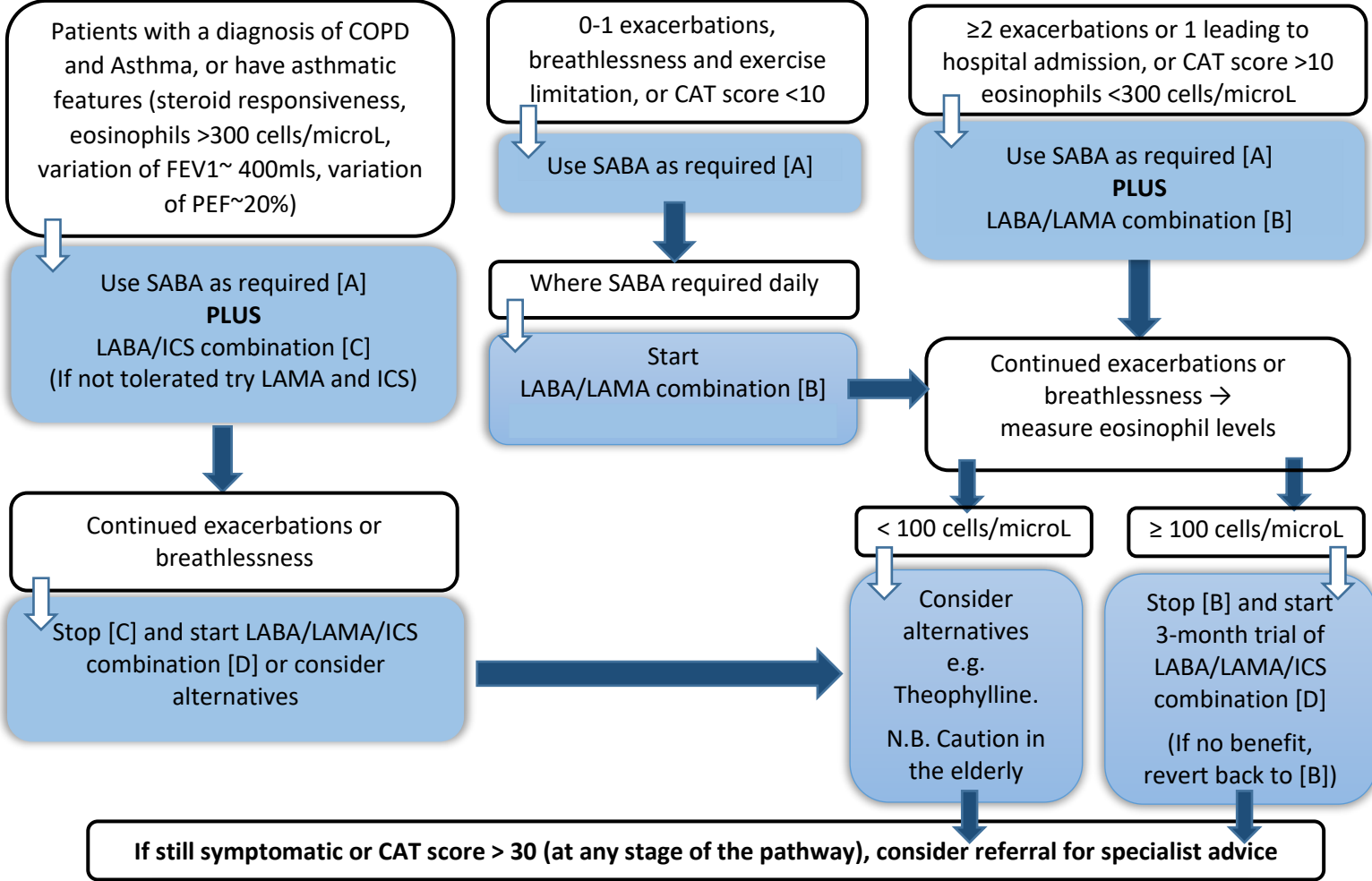


**COPD confirmed by spirometry with FEV1/FVC < 0.7**

Give advice on smoking cessation, ensure pneumococcal & influenza vaccinations are up to date, optimise BMI, promote exercise, enrol patient onto pulmonary rehabilitation programme if MRC score>3

- Important considerations:**
- Consider chest x-ray to exclude other pathologies & full blood count on diagnosis.
  - Consider checking oxygen saturation annually.
  - Optimise treatment of co-morbidities.
  - Prescribe inhalers using the brand name (exceptions are salbutamol and terbutaline).
  - Ensure good inhaler technique.
  - Trial medication for 3 months. If no benefit = STOP.
  - LAMAs should be used with caution in patients with cardiovascular disease.

- Consider ICS withdrawal in the following circumstances (for patients without asthmatic features):**
- Eosinophil level <100 cells/microL, and no history of exacerbations in the past year = consider withdrawal of ICS to LAMA/LABA in the first instance (if on triple therapy).
  - Patients with bacterial pneumonia.



**Excessive mucus production** (at any stage of the pathway) = consider adding oral **NACSYS®(Acetylcysteine) 600mg effervescent tablets 1 daily.** Review at 4-6 weeks and stop if no benefit.

**KEY**  
 [A] Short acting β agonist (SABA)  
 [B] Long acting β agonist (LABA) plus long acting muscarinic antagonist (LAMA) combination inhaler  
 [C] LABA and inhaled corticosteroid (ICS) combination inhaler  
 [D] LABA, LAMA and ICS combination inhaler

Formulary status	Preferred	Total
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Group	Prescribe as	Inhaler type	Dose	Ingredient	SABA	LAMA	LABA	ICS	Cost of 30 days treatment (SDT and dm+d June 2021)
[A]	Salbutamol 100 micrograms	pMDI	2 doses twice daily	Salbutamol	✓				£0.90
	Terbutaline 500 micrograms	DPI	1 dose four times daily	Terbutaline	✓				£8.30
[B]	Spolto Respimat® 2.5/2.5 micrograms	pMDI	2 doses daily	Tiotropium Olodaterol		✓	✓		£32.50
	Anoro Ellipta® 55/22 micrograms	DPI	1 dose daily	Umeclidinium Vilanterol		✓	✓		£32.50
	Ultibro Breezhaler® 50/110 micrograms	DPI	1 dose daily	Glycopyrronium Indacaterol		✓	✓		£32.50
	Duaklir Genuair® 340/12 micrograms	DPI	1 dose twice daily	Aclidinium Formoterol		✓	✓		£32.50
[C]	Relvar Ellipta® 92/22 micrograms	DPI	1 dose daily	Fluticasone Vilanterol			✓	✓	£22.00
	Fostair® 100/6 micrograms	pMDI or DPI	2 doses twice daily	Beclometasone Formoterol			✓	✓	£29.32
	DuoResp Spiromax® 320/9 micrograms	DPI	1 dose twice daily	Budesonide Formoterol			✓	✓	£27.97
	Symbicort® 400/12 micrograms	DPI	1 dose twice daily	Budesonide Formoterol			✓	✓	£28.00
[D]	Trelegly Ellipta® 22/92/55 micrograms	DPI	1 dose daily	Vilanterol Fluticasone Umeclidinium		✓	✓	✓	£44.50
	Trimbow® 5/87/9 micrograms	pMDI	2 doses twice daily	Formoterol Beclometasone Glycopyrronium		✓	✓	✓	£44.50
	Trixeo Aerosphere® 5/7.2/160 micrograms	pMDI	2 doses twice daily	Formoterol Glycopyrronium Budesonide		✓	✓	✓	£44.50

### Glossary

FEV1: Forced expiratory volume in 1 second	FVC: Forced Vital Capacity	BMI: Body Mass Index	PEF: Peak Expiratory Flow
CAT: COPD Assessment Test		MRC: Medical Research Council Dyspnoea scale	
pMDI: pressurised Metered Dose Inhaler	DPI: Dry Powder Inhaler	SDT: Scottish Drug Tariff	dm+d: Dictionary of Medicines and Devices

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Authors: Dr Andrew Smith and Dr Manish Patel (Consultants in Respiratory Medicine), University Hospital Wishaw.  
Victoria Mackinnon (Prescribing Adviser) and Rizwan Din (Advanced Clinical Services Pharmacist), NHSL Prescribing Team.