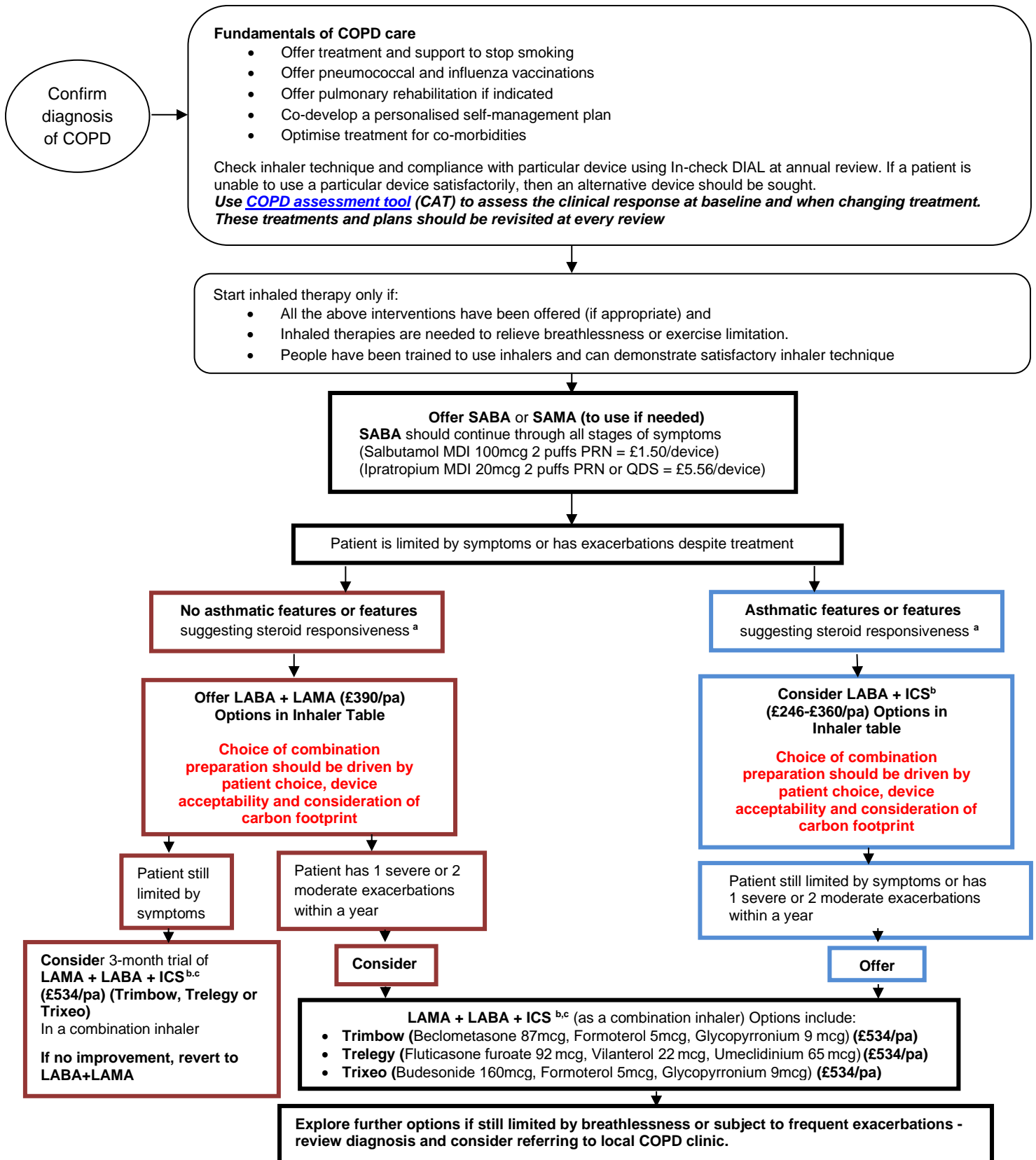


Management of stable COPD



^a asthmatic features/features suggesting steroid responsiveness in this context include any previous secure diagnosis of asthma or atopy, a higher blood eosinophil count, substantial variation in FEV1 over time (at least 400ml) or substantial diurnal variation in peak expiratory flow (at least 20%) .

^b be aware of an increased risk of side effects (including pneumonia) in people who take ICS.







^c document in clinical records the reason for continuing ICS treatment

Local expert opinion suggests a plasma eosinophil $>0.3 \times 10^9/l$ is suggestive of asthmatic phenotype

NICE recommends for patients using long-acting bronchodilators outside of the current recommendations and whose symptoms are under control, have the option to continue treatment until both, they and their clinician/ healthcare professional agree it is appropriate to change.

Formulary Choices							
SABA	DPI / Aerosol	Resistance to inspiratory flow	Drugs	Dose	Cost (for 30 days)	Photo	Carbon footprint* per 30 days (gCO ₂ e)
Salamol inhaler	Aerosol	None	Salbutamol 100mcg	2 puffs QDS PRN	£1.46†		1793 (based on 1 puff/day)
Salbutamol Easyhaler	DPI	High	Salbutamol 100mcg	2 puffs QDS PRN	£3.31†		93‡
Terbutaline Turbohaler	DPI	Medium	Terbutaline	2 puffs QDS PRN	£8.30†		123
LABA/LAMA							
Spolto® Respimat®	Aerosol (soft mist)	None	Tiotropium 2.5mcg / Olodaterol 2.5mcg	2 puffs OD	£32.50		780 (reducing to 225 if refills used for 6 months)
Ultibro® Breezhaler®	DPI	Low	Indacaterol 85mcg / Glycopyrronium 43mcg	1 puff OD	£32.50		563
Anoro Ellipta®	DPI	Low-medium	Umeclidinium / Vilanterol	1 puff OD	£32.50		747
LABA/ICS							
Relvar® Ellipta	DPI	Low-Medium	Fluticasone furoate 92mcg / Vilanterol	1 puff OD	£22.00		754
AirFluSal® Forspiro®	DPI	Medium	Fluticasone propionate 500mcg / Salmeterol 50mcg	1 puff BD	£29.97		587
Fobumix® Easyhaler®	DPI	High	Budesonide 160mcg / Formoterol 4.5mcg	2 puffs bd	£21.50		484‡
Fostair®	DPI	Med-High	Beclometasone 100mcg / Formoterol 6mcg	2 puffs BD	£29.32		889
Luforbec® MDI (cost effective alternative to Fostair® MDI in primary care)	Aerosol	MDI None	Beclometasone 100mcg / Formoterol 6mcg	2 puffs BD	£20.52		~11249
Fostair®	Aerosol	MDI None	Beclometasone 100mcg / Formoterol 6mcg	2 puffs BD	£29.32		11249
LABA/LAMA/ICS							
Trelegy®	DPI	Low-Medium	Fluticasone furoate 92mcg / Vilanterol 22mcg / Umeclidinium 65mcg	1 puff OD	£44.50		765‡
Trimbow®	DPI	Med-High	Beclometasone 87mcg / Formoterol 5mcg / Glycopyrronium 9mcg	2 puffs BD	£44.50		889
Trimbow®	Aerosol	None	Beclometasone 87mcg / Formoterol 5mcg / Glycopyrronium 9mcg	2 puffs BD	£44.50		14203
Trixeo®	Aerosol	None	Budesonide 160mcg / Formoterol 5mcg / Glycopyrronium 9mcg	2 puffs BD	£44.50		13500

The following inhalers are no longer included in the algorithm and remain on the formulary for existing patients only

LABA**	DPI / Aerosol	Resistance to inspiratory flow	Drugs	Dose	Cost (for 30 days)	Photo	Carbon footprint* per 30 days (gCO₂e)
Solte ^l ®	Aerosol	None	Salmeterol 25mcg	2 puffs BD	£19.95		15600
Onbrez [®] Breezhaler [®]	DPI	Low	Indacaterol 150-300mcg	1 puff OD	£32.19		563
Formoterol Easyhaler [®]	DPI	High	Formoterol 12mcg	1 puff BD	£23.75		544‡
LAMA**							
Spiriva [®] Respimat [®]	Aerosol (soft mist)	None	Tiotropium 5mcg	2 puffs OD	£23.00		780 (reducing to 225 if refills used for max. 6 months)
Seebri [®] Breezhaler [®]	DPI	Low	Glycopyrronium 44mcg	1 puff OD	£27.50		563
Tiogiva [®]	DPI	High	Tiotropium 18mcg	1 puff OD	£22.67		563

* To meet targets in the climate change act, the NHS is committed to reducing its carbon footprint by 51% by 2025. A change to DPI, where appropriate, will deliver a reduction of 4%. NICE has produced an inhaler decision aid to facilitate discussions about inhaler options

<https://www.nice.org.uk/guidance/ng80/resources/inhalers-for-asthma-patient-decision-aid-pdf-6727144573>

** No longer included in the treatment algorithm, however existing patients may be taking these.

† Price for one inhaler device, not 30 days' worth.

‡ Can be considered Carbon Neutral due to manufacturer using offsets as certified by the Carbon Trust or Carbon Footprint Standard

Prices correct from Drug Tariff – May 2023 and Rightbreathe website accessed 29/5/2023