Protocol for weaning COPD patients on Inhaled Corticosteroids (Either as single or combination inhaler) to a Dual Bronchodilator Treatment

Evidence considered

**IS THERE ANY SUSPICION OR HISTORY OF ASTHMA?**
**OR**
**IS EOSINOPHIL COUNT RAISED?**
**OR**
**IS THERE ANY HISTORY OF ATOPY?**

- **YES**
  - **DO NOT USE THIS PROTOCOL**

- **NO**
  - **NOT SURE**

**DID THE PATIENT HAVE ≥ 3 EXACERBATIONS IN THE LAST 12 MONTHS**

- **YES**
  - REFER TO COMMUNITY MDT
    - FAX OR EMAIL REFERRAL TO COMMUNITY RESPIRATORY TEAM IN TELFORD OR LOUISE HOUSE IN SHREWSBURY

- **NO**

**WHAT ARE THEY TAKING?**

- **ICS ONLY**
  - SWITCH TO DUAL LAMA+LABA PLUS ICS ONLY SINGLE INHALER

- **LABA+ICS**
  - SWITCH TO DUAL LAMA+LABA PLUS ICS ONLY SINGLE INHALER

- **LABA+ICS PLUS LAMA**

**REDUCE ICS DOSE BY 25% OF INITIAL TOTAL DAILY DOSE EVERY 2 WEEKS TO ZERO AND STOP ICS INHALER**

**REVIEW PATIENT AS APPROPRIATE AND IF ANY WORSENING OF SYMPTOMS, RESTART THE ICS INHALER AT THE LAST STABLE DOSE AND CONSIDER REFERRAL TO COMMUNITY MDT**
**SCENARIO 1**

SERETIDE 500 1 PUFF BD [Salmeterol 50mcg (LABA)+Fluticasone 500 mcg (ICS) per puff]

25% reduction in total initial ICS dose = 25 % of 1000 mcg= 250 mcg reduction every 2 weeks

**CHANGE TO**

LAMA+LABA COMBINATION (SEE GUIDELINES*)

Plus

FLUTICASONE Inhaler 250 2 Puffs AM and 2 Puffs PM

**AT 2 WEEKS**

LAMA+LABA

Plus

FLUTICASONE 250 1 Puff AM and 2 Puffs PM

**AT 4 WEEKS**

LAMA+LABA

Plus

FLUTICASONE 250 1 Puff AM and 1 Puff PM

**AT 6 WEEKS**

LAMA+LABA

Plus

FLUTICASONE 125 1 Puff AM and 1 Puff PM

**AT 8 WEEKS**

LAMA+LABA

Plus STOP ICS INHALER

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**SCENARIO 2**

FOSTAIR 100/6 2 PUFFS BD [Formoterol 6mcg (LABA)+ Beclometasone 100 mcg (ICS) per puff]

25% reduction in total initial ICS dose= 25% of 400 mcg= 100mcg reduction every 2 weeks

**CHANGE TO**

LAMA+LABA COMBINATION (SEE GUIDELINES)

Plus

CLENIL MODULITE (100 mcg) OR QVAR (50 mcg)* 2 Puffs AM and 2 Puffs PM

**AT 2 WEEKS**

LAMA+LABA

Plus

CLENIL MODULITE (100 mcg) OR QVAR (50 mcg)*1 Puff AM and 2 Puffs PM

**AT 4 WEEKS**

LAMA+LABA

Plus

CLENIL MODULITE (100 mcg) OR QVAR (50 mcg)*1 Puff AM and 1Puff PM

**AT 6 WEEKS**

LAMA+LABA

Plus

CLENIL MODULITE (100 mcg) OR QVAR (50 mcg)* 1Puff PM

**AT 8 WEEKS**

LAMA+LABA

Plus STOP ICS INHALER

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**SCENARIO 3**

SYMBICORT 400/12 1 PUFF BD 

[Formoterol 12 mcg (LABA)+Budesonide 400 mcg (ICS) per puff]

25% reduction in total initial ICS dose= 25% of 800 mcg= 200 mcg reduction every 2 weeks

**CHANGE TO**

LAMA+LABA COMBINATION (SEE GUIDELINES)

PLUS

CLENIL MODULITE (200 mcg) OR QVAR (100 mcg)* 2 Puffs AM and 2 Puffs PM

**AT 2 WEEKS**

LAMA+LABA

Plus

CLENIL MODULITE (200 mcg) OR QVAR (100 mcg)*1 Puff AM and 2 Puffs PM

**AT 4 WEEKS**

LAMA+LABA

Plus

CLENIL MODULITE (200 mcg) OR QVAR (100 mcg)*1 Puff AM and 1Puff PM

**AT 6 WEEKS**

LAMA+LABA

Plus

CLENIL MODULITE (100 mcg) OR QVAR (50 mcg)* 1Puff AM 1 Puff PM

**AT 8 WEEKS**

LAMA+LABA

Plus STOP ICS INHALER

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* PLEASE SEE SHROPSHIRE COPD GUIDELINES FOR LAMA+LABA INHALERS
*QVAR has double the potency of Clenil, hence 50 mcg dose used.

Also, Fluticasone:beclometasone:budesonide potency ratio is 1:2:2

Fluticasone 200 mcg=Beclometasone 400 mcg=Budesonide 400 mcg