

Respiratory Medications

Therapeutic Class	Medications
Short-Acting Bronchodilators used as RESCUE medications PRN (as needed) for shortness of breath, wheezing	
Short-Acting Beta2 Agonist (SABA) Relaxes bronchial smooth muscle Side Effects (SE): fast resting heart rate, feeling nervous, nausea, headache and tremor Name ends in -ol	Albuterol: Ventolin® MDI, ProAir® MDI/RespiClick® DPI, Proventil® MDI inhalers 2 puffs inhaled Q4-6H PRN nebulizer solution 1 neb inhaled Q4-6H PRN Levalbuterol: Xopenex® MDI inhaler 2 puffs Q4-6H PRN nebulizer solution 1 neb Q6-8H PRN
Short-Acting Muscarinic Antagonist (SAMA) Blocks bronchoconstriction SE: dry mouth, urinary retention, bitter or metallic taste, may precipitate acute glaucoma Name ends in -ium	Ipratropium: Atrovent® MDI inhaler 2 puffs Q6H nebulizer solution 1 neb Q6-8H
Combination Short-Acting Bronchodilator	
SABA/SAMA	Albuterol/Ipratropium: Combivent® Respimat SMI inhaler 1 puff Q6H DuoNeb® nebulizer solution 1 neb Q6H
Long-Acting Bronchodilators used EVERY DAY regardless of how you feel as MAINTENANCE medications	
Long-Acting Beta Agonist (LABA) Name ends in -ol SE: similar to SABA	Arformoterol: Brovana® nebulizer solution 1 neb Q12H Formoterol: Foradil® DPI inhale contents of 1 cap Q12H Perforomist® nebulizer solution 1 neb Q12H Indacaterol: Arcapta® Neohaler DPI inhale contents of 1 cap Q24H Olodaterol: Striverdi® Respimat SMI 2 puffs Q24H Salmeterol: Serevent® Diskus DPI inhaler 1 puff Q12H
Long-Acting Muscarinic Antagonist (LAMA) Name ends in -ium except glycopyrrolate and revefenacin SE: similar to SAMA	Acclidinium: Tudorza® Pressair DPI 1 puff Q12H Glycopyrrolate: Seebri® Neohaler DPI inhale contents of 1 cap Q12H Lonhala® Magnair nebulizer system 1 neb Q12H Revefenacin: Yupelri® neb solution 1 neb Q24H Tiotropium: Spiriva® HandiHaler DPI inhale contents of 1 cap Q24H Spiriva® Respimat SMI 2 puffs Q24H Umeclidinium: Incruse® Ellipta DPI 1 puff Q24H
Anti-Inflammatory Agent used EVERY DAY regardless of how you feel as MAINTENANCE medications	
Inhaled Corticosteroids (ICS) Use in combination with LABA SE: : oral thrush (rinse/gargle with water and spit after use, do not swallow), hoarse voice, skin bruising Name ends in -sone, --ide	Beclomethasone: QVAR® RediHaler 1-4 puffs Q12H (MAX 320mg Q12H) Budesonide: Pulmicort® Flexhaler DPI 1-4 puffs Q12H Respules neb sol 1 neb Q12H Ciclesonide: Alvesco® MDI 1-4 puffs Q12H (MAX 320mg Q12H) Fluticasone: Flovent® MDI 1-4 puffs Q12H (MAX 880mcg Q12H) Diskus DPI 1-4 puffs Q12H (MAX 1000mg Q12H) Arnuity® Ellipta DPI 1 puff Q24H Mometasone: Asmanex® MDI 2 puffs Q12H, Twisthaler DPI 1-2 puffs Q12-24H
Combination Long-Acting Agents used EVERY DAY regardless of how you feel as MAINTENANCE medications	
LABA/ ICS	Salmeterol/fluticasone: Advair® MDI 2 puffs Q12H Advair® Diskus DPI 1 puff BID Formoterol/budesonide: Symbicort® MDI 2 puffs Q12H Vilanterol/fluticasone: Breo® Ellipta DPI 1 puff QD
LABA/LAMA	Formoterol/glycopyrrolate: Bevespi® Aerosphere MDI 2 puffs Q12H Indacaterol/glycopyrrolate: Utibron® Neohaler DPI inhale 1 cap Q12H Olodaterol/tiotropium: Stiolto® Respimat SMI 2 puffs Q24H Vilanterol/umeclidinium: Anoro® Ellipta DPI 1 puff Q24H
LABA /LAMA /ICS	Umeclidinium/vilanterol/fluticasone: Trelegy® Ellipta DPI 1 puff Q24H
Miscellaneous agents	
Methylxanthines- Only recommended if other treatments unavailable. Follow levels. Monitor for atrial and ventricular arrhythmias, seizures, headache, insomnia, nausea, and heartburn.	Theophylline (Theo-24®, Uniphyll®, Elixophyllin®) tablet/liquid 300-600mg daily divided in 1-4 doses
Phosphodiesterase -4 (PDE4) inhibitor- Recommended in severe COPD to treat the symptoms of cough and excess mucus linked to bronchitis. Monitor for diarrhea, nausea, reduced appetite, weight loss, and worsened depression.	Roflumilast (Daliresp®) tablets 250mcg Q24H x 4 weeks, then 500mcg Q24H
Alpha1-proteinase augmentation- All COPD patients should be screened for deficiency	Aralast®, Aralast NP®, Prolastin®, Zemaira®, Glassia® IV infusion

MDI=meter dosed inhaler (slow deep inhale), SMI= soft mist inhaler (slow deep inhale), DPI= dry powder inhaler (fast deep inhale) Rev 4/19