**Supplemental Digital Content 1. Some of the commonly used inhaled medications for asthma and COPD**

| **Inhalation device** | **Medication class** | **FDA-approved medication** | **Link to instructions on using the inhaler** | **Reference** |
| --- | --- | --- | --- | --- |
| Nebulizer | LAMA | Lonhala® Magnair® Glycopyrrolate inhalation solution | <https://www.lonhalamagnair.com/how-to-use-lonhala-magnair/using-a-nebulizer.html><https://www.youtube.com/watch?v=Cac-ocXY_ts> | ([Lonhala®Magnair®, 2018](#_ENREF_65)) |
| LAMA | Yupelri® Revefenacin inhalation solution | <https://www.lung.org/lung-health-and-diseases/lung-disease-lookup/copd/patient-resources-and-videos/how-to-use-a-nebulizer.html> | ([Yupelri®, 2018](#_ENREF_109)) |
| LABA | Brovana® Arformoterol tartrate inhalation solution | ([Brovana®, 2014](#_ENREF_20)) |
| LABA | Perforomist® Formoterol fumarate inhalation solution | ([Perforomist®, 2010](#_ENREF_75)) |
| SABA + SAMA | DuoNeb® Albuterol sulfate + ipratropium bromide | ([DuoNeb®, 2006](#_ENREF_37)) |
| DPI | LAMA | Spiriva® HandiHaler® Tiotropium bromide inhalation powder | <https://docs.boehringer-ingelheim.com/Prescribing%20Information/PIs/Spiriva/Spiriva.pdf#page=15><https://www.youtube.com/watch?v=KTudQnaz6nY> | ([Spiriva®HandiHaler®, 2018](#_ENREF_91)) |
| LABA | Arcapta® Neohaler®Indacaterol maleate inhalation powder | <https://www.arcapta.com/how-to-use-arcapta.html>  | ([Arcapta®Neohaler®, 2017](#_ENREF_3)) |
| LAMA | Seebri® Neohaler® Glycopyrrolate inhalationpowder | <https://www.seebri.us/instructions-for-using-seebri.html> | ([Seebri®Neohaler®, 2018](#_ENREF_87)) |
| LABA + LAMA | Utibron® Neohaler®Indacaterol + glycopyrrolate inhalation powder | <https://www.utibron.com/instructions-for-using-utibron.html> | ([Utibron®Neohaler®, 2018](#_ENREF_103)) |
| LABA | Serevent® Diskus® Salmeterol xinafoate inhalation powder | <https://www.youtube.com/watch?v=plYABMUxuO8> | ([Serevent®Diskus®, 2018](#_ENREF_88)) |
| LABA + ICS | Advair Diskus® Salmeterol + fluticasone propionate inhalation powder | ([AdvairDiskus®, 2019](#_ENREF_1)) |
| LAMA | Tudorza® Pressair®Aclidinium bromide inhalation powder | <https://www.tudorzahcp.com/tudorza-instructions-dosing.html> | ([Tudorza®Pressair®, 2019](#_ENREF_100)) |
| LABA + LAMA | Duaklir® Pressair® Formoterol fumarate + aclidinium bromide inhalation powder | <https://www.youtube.com/watch?v=K7DLie08Y9U> | ([Duaklir®Pressair®, 2019](#_ENREF_36)) |
| LAMA | Incruse® Ellipta® Umeclidinium bromide inhalation powder | <https://www.incruse.com/how-to-use-incruse.html> | ([Incruse®Ellipta®, 2017](#_ENREF_51)) |
| ICS | Arnuity® Ellipta®Fluticasone furoate inhalation powder | <https://www.arnuity.com/about-arnuity/how-to-use-arnuity.html> | ([Arnuity®Ellipta®, 2019](#_ENREF_5)) |
| LABA + LAMA | Anoro® Ellipta® Vilanterol + umeclidinium inhalation powder | <https://www.anoro.com/about/how-to-use-anoro.html> | ([Anoro®Ellipta®, 2017](#_ENREF_2)) |
| LABA + ICS | Breo™ Ellipta™ Vilanterol + fluticasone furoate inhalation powder | <https://www.mybreo.com/asthma/how-to-use-breo-ellipta.html> | ([Breo™Ellipta™, 2019](#_ENREF_18)) |
| LABA + LAMA + ICS | Trelegy™ Ellipta® Vilanterol + umeclidinium + fluticasone furoate inhalation powder | <https://www.trelegy.com/using-trelegy/index.html> | ([TrelegyTMEllipta®, 2019](#_ENREF_99)) |
| pMDI | SABA | ProAir® HFAAlbuterol sulfate inhalation aerosol | <https://proair.com/hfa/video-library.aspx> | ([ProAir®HFA, 2012](#_ENREF_79)) |
| SAMA | Atrovent® HFA Ipratropium bromide inhalation aerosol | <https://www.atrovent.com/using-your-inhaler#doctordiscussionguide> | ([Atrovent®HFA, 2012](#_ENREF_6)) |
| LABA + LAMA | Bevespi Aerosphere® Formoterol fumarate + glycopyrrolate inhalation aerosol | <https://www.bevespi.com/how-to-use-bevespi-inhaler.html> | ([BevespiAerosphere®, 2019](#_ENREF_12)) |
| LABA + ICS | Symbicort® Formoterol fumarate + budesonide inhalation aerosol | <https://www.mysymbicort.com/copd/about-symbicort/how-to-use-the-inhaler.html> | ([Symbicort®, 2017](#_ENREF_98)) |
| SMI | LAMA | Spiriva® Respimat® Tiotropium bromide inhalation spray | <https://player.vimeo.com/video/169737753?autoplay=1> | ([Spiriva®Respimat®, 2019](#_ENREF_92)) |
| LABA | Striverdi® Respimat®Olodaterol inhalation spray | ([Striverdi®Respimat®, 2018](#_ENREF_97)) |
| SABA + SAMA | Combivent® Respimat® Albuterol + ipratropium bromide inhalation spray | ([Combivent®Respimat®, 2016](#_ENREF_27)) |
| LABA + LAMA | Stiolto® Respimat® Olodaterol + tiotropium bromide inhalation spray | ([Stiolto®Respimat®, 2019](#_ENREF_96)) |

Adapted from: Chronic Obstructive Pulmonary Disease. University of Michigan. 2017. Available at: <http://www.med.umich.edu/1info/FHP/practiceguides/copd/copd.pdf>. Accessed: July 4, 2019.

Additional links to videos on inhalers: [Introduction to inhalers](https://www.youtube.com/watch?v=5xrIBFRufmQ); [pMDI closed-mouth technique](https://www.youtube.com/watch?v=ys6AoOFsP2g); [pMDI with spacer technique](https://www.youtube.com/watch?v=Y9YRnDTNd4Q)

COPD, chronic obstructive pulmonary disease; DPI, dry powder inhaler; FDA, Food and Drug Administration; HFA, hydrofluoroalkane; ICS, inhaled corticosteroid; LABA, long-acting β2-agonist; LAMA, long-acting muscarinic antagonist; pMDI, pressurized metered-dose inhaler; SABA, short-acting β2-agonist; SAMA, short-acting muscarinic antagonist; SMI, slow mist inhaler.