**Appendix**: Common treatment options for patients with acute asthma.

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| **Management Element** | **Evidence-based Recommendation** | |
| **Asthma** | **COPD** |
| Inhaler delivery | Use MDI + spacer devices | Use MDI + spacer devices |
| Bronchodilators  SABA (Salbutamol) | Use always  4-8 puffs q 20 minutes X 3 | Second Line |
| Bronchodilators SAAC (IB) | Use if moderate-severe  4-8 puffs q 20 minutes X 3 | First Line |
| Systemic corticosteroids | Use often and early  Prednisone 50 mg PO  IV Hydrocortisone (250 mg) | Similar recommendation  IV Methylprednisolone (40-80 mg) |
| MgSO4 | Use early if severe  2 gm IV over 20 minutes | ⌧ Not effective |
| Antibiotics | ⌧ Rarely necessary | Anthonisen criteria |
| Other options | ICS, IM epinephrine | - |
| Ventilation | NIV  (trial in severe cases only) | NIV early |

Note: IB = ipratropium bromide; ICS = inhaled corticosteroids; IV = intravenous; MDI

= Metered dose inhaler; NIV = non-invasive ventilation; PO = per os (by mouth).