Supplement: **Exclusion Criteria**

|  |
| --- |
| Premature birth <37 weeks gestation |
| Chronic mechanical ventilation |
| Chronic oxygen therapy |
| Bronchodilator use prior to present illness |
| Inhaled or systemic corticosteroid course prior to present illness |
| Receipt of exogenous surfactant |
| Previous PICU admission |
| Previous MV course other than for surgical procedure |
| Neurologic or neuromuscular disease |
| Congenital heart disease or acquired cardiac disease |

**Determination of primary respiratory cause of ARF requiring MV**

Determination of primary respiratory cause is at the discretion of the site investigator with at least one of the following criteria.

|  |
| --- |
| Chest radiograph with focal or diffuse infiltrative pulmonary process |
| Radiographic evidence of air trapping |
| Clinical exam findings of lower respiratory tract illness |