

Supplemental Digital Content 3. Airway Pressure, Esophageal Pressure, and Transpulmonary Pressure in the CMV Group

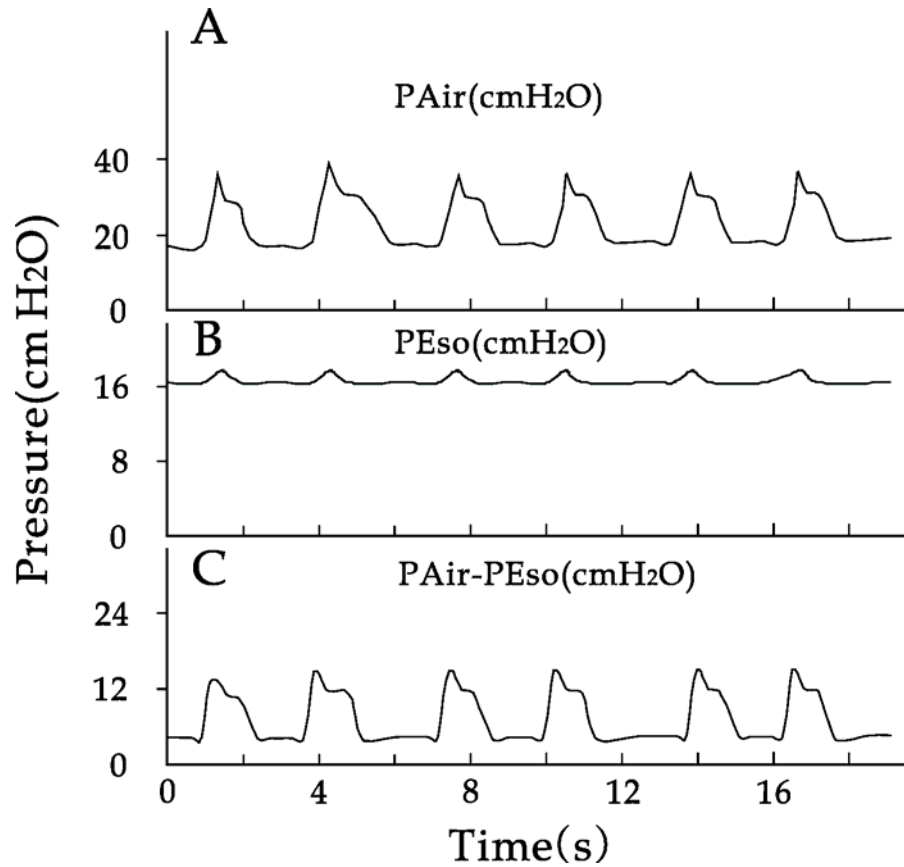


Fig. 1. Airway pressure (A), esophageal pressure (B) and transpulmonary pressure (C) in the CMV group were recorded as previously described¹. Alveolar pressure in CMV group was measured by using the Evita XL ventilator (Dräger, Lubeck, Germany)'s "Insp hold" function during CMV. Transpulmonary pressure was determined as the difference between the average P_{plat} value and the averaged P_{Eso} .

CMV = conventional mechanical ventilation; PAir = airway pressure; PEso = esophageal pressure; P_{plat} = plateau pressure; S = second.

References

1. Chiumello D, Carlesso E, Cadringer P, Caironi P, Valenza F, Polli F, Tallarini F, Cozzi P, Cressoni M, Colombo A, Marini JJ, Gattinoni L: Lung stress and strain during mechanical ventilation for acute respiratory distress syndrome: Am J Respir Crit Care Med 2008; 178:346-55