

**Supplemental Digital Content 3:** Mean arterial blood pressure displayed in millimeter of mercury for both interventional groups during the experiment. Filled squares, D-CMV: Interventional group treated with 24 hours of mechanical ventilation under dexmedetomidine exposure. White circles, P-CMV: Interventional group treated with 24 hours of mechanical ventilation under pentobarbital exposure. Values are displayed as means  $\pm$  SD.

