

**Supplemental Digital Content 7:** Diaphragm ryanodine receptor protein expression in the Control group (Con), and Interventional group treated with 24 hrs of MV under pentobarbital exposure (P-CMV) or under dexmedetomidine exposure (D-CMV). Ryanodine receptor data are normalized to  $\beta$ -tubulin. Values are displayed as means  $\pm$  SD. All Data presented as integrated density value (IDV).

