**Supplemental Figure 1.** Physiologic dead space fraction in survivors and non-survivors. AVDSf is significantly different on POD 1 and POD 3. Only complete cases were used in this analysis.

The lower and upper borders of the box represent the lower and upper quartiles (25th percentile and 75th percentile). The middle horizontal line represents the median. The lower and upper whiskers represent the minimum and maximum values of non- outliers. Extra dots represent outliers.

CTICU = cardiothoracic ICU, POD = post-operative day