

### **S3: RESULTS OF PEEP ALTERATIONS IN HYPERACUTE LEFT VENTRICULAR CARDIOGENIC SHOCK**

Pressure-volume area, stroke work, total mechanical power expenditure, and potential energy decreased similarly to the measurements taken 60 minutes after onset of CS (Supplemental Digital Content Table 4, Supplemental Digital Content Figure 5 and 6). Of notice, cardiac efficiency increased at PEEP levels of 10 cmH<sub>2</sub>O and higher, while Ea, LV wall stress, LV end systolic pressure and Pmax were significantly reduced. Ees was significantly increased a PEEP level of 15 cmH<sub>2</sub>O. Also, LV ejection fraction increased with higher PEEP levels. Other hemodynamic parameters exhibited similar changes to increasing PEEP as in measurements taken 60 minutes after onset of CS.