

**Supplementary Table 3: Reversible Effects of PEEP Adjustments on Pressure-Volume Parameters**

	PEEP, cmH <sub>2</sub> O				
	5	10	15	10	5
<b>PVA, mmHg x mL</b>					
Healthy	10,251 ± 2,030	9,158 ± 2,263†	7,564 ± 2,849‡	8,744 ± 2,444‡	9,748 ± 1,883
Hyperacute CS	6,945 ± 1,985	6,330 ± 1,832*	5,939 ± 1,749†	6,694 ± 1,594*	7,002 ± 1,506
CS	7,176 ± 967	6,279 ± 929	5,810 ± 1,251*	6,180 ± 1,001	7,201 ± 265
<b>SW, mmHg x mL</b>					
Healthy	6,338 ± 1,610	5,516 ± 1,473*	4,899 ± 1,776‡	5,172 ± 1,707‡	5,561 ± 1,512*
Hyperacute CS	2,554 ± 1,075	2,281 ± 898*	2,085 ± 787‡	2,496 ± 905*	2,753 ± 1,154
CS	2,625 ± 1,180	2,083 ± 499*	1,839 ± 411†	2,030 ± 453*	2,606 ± 912
<b>PE, mmHg x mL</b>					
Healthy	3,913 ± 1,853	3,642 ± 1,813	2,665 ± 1,766‡	3,572 ± 1,915	4,186 ± 1,530
Hyperacute CS	4,391 ± 1,735	4,049 ± 1,748	3,854 ± 1,749*	4,199 ± 1,737	4,249 ± 1,702
CS	4,551 ± 594	4,195 ± 1,267	3,971 ± 1,427*	4,150 ± 1,193	4,595 ± 704
<b>MPE, mmHg x L/min</b>					
Healthy	644 ± 169	554 ± 110	469 ± 170†	521 ± 133*	546 ± 119
Hyperacute CS	440 ± 175	431 ± 162	425 ± 177*	483 ± 159	526 ± 114
CS	450 ± 161	399 ± 60	420 ± 75	414 ± 89	464 ± 215

Effects of increasing PEEP from 5 to 10 to 15 cmH<sub>2</sub>O followed by a stepwise decrease from 15 to 10 to 5 cmH<sub>2</sub>O in a subset of pigs compared to the initial PEEP setting of 5 cmH<sub>2</sub>O. Data are presented as mean ± SD and associated *P*-values are derived from a repeated measures mixed model with positive end-expiratory pressure (PEEP) as fixed effects and each pig at a given state as random effects. Abbreviations as in main article.

\* *P*<0.05 vs. PEEP at 5 cmH<sub>2</sub>O

† *P*<0.01 vs. PEEP at 5 cmH<sub>2</sub>O

‡ *P*<0.001 vs. PEEP at 5 cmH<sub>2</sub>O