

		Baseline	Shock	Treatment	pRBC	End
pH	Control	7.46 (0.04)	7.41 (0.08)	7.32 (0.03)	7.37	
	IV	7.41 (0.06)	7.46 (0.02)	7.30 (0.18)	7.39 (0.05)	7.44 (0.07)
	IO	7.46 (0.06)	7.48 (0.03)	7.37 (0.04)	7.39 (0.05)	7.41 (0.05)
Hgb (g/dL)	Control	9.8 (0.9)	10.3 (0.8)	10.4 (0.8)	6.8	
	IV	9.3 (0.9)	11.4 (1.0)	9.9 (1.9)	8.7 (0.9)	13.3 (0.9)
	IO	10.2 (1.0)	10.7 (2.5)	10.0 (0.8)	9.0 (1.5)	14.3 (1.4)
K (mM)	Control	3.7 (0.1)	4.7 (1.3)	4.6 (1.7)	5.2	
	IV	3.9 (0.2)	4.6 (0.5)	4.6 (0.4)	5.1 (0.7)	5.2 (0.1)
	IO	3.8 (0.2)	4.3 (0.1)	4.3 (0.2)	4.9 (0.1)	4.6 (1.4)
Na (mM)	Control	138 (0.6)	138 (2.1)	137 (2.6)	137	
	IV	139 (1.0)	135 (3.2)	138 (4.6)	140 (1.7)	139 (1.0)
	IO	142 (1.2)	139 (0.6)	140 (1.7)	143 (1.2)	143 (1.2)
HCO₃ (mM)	Control	26.4 (1.5)	18.5 (5.9)	13.7 (1.8)	15.2	
	IV	27.2 (1.8)	22.2 (2.0)	17.5 (3.2)	18.7 (4.0)	22.9 (1.0)
	IO	27.5 (2.0)	27.4 (0.6)	22.9 (2.6)	22.4 (2.1)	24.3 (2.6)
Lactate (mmol/L)	Control	2.0 (0.3)	5.5 (1.9)	11.5 (2.1)	7.8	
	IV	1.5 (0.5)	3.6 (1.9)	9.1 (1.2)	8.0 (2.7)	4.1 (1.6)
	IO	1.6 (0.9)	2.8 (0.2)	8.1 (1.5)	6.0 (2.7)	3.5 (0.8)

Table S1: Arterial blood gas data. Data presented as group means with standard deviation shown in parentheses. Hgb = hemoglobin; K = potassium; Na = sodium; HCO₃ = bicarbonate; Shock = end of hemorrhage/start of shock; Treatment = end of shock/start of normal saline resuscitation ± VPA treatment; pRBC = start of blood transfusion; End = end of experiment; Control = control group; IV = VPA IV treatment group; IO = VPA IO treatment group.