

Supporting Information

Abud et al. 10.1073/pnas.1120385109

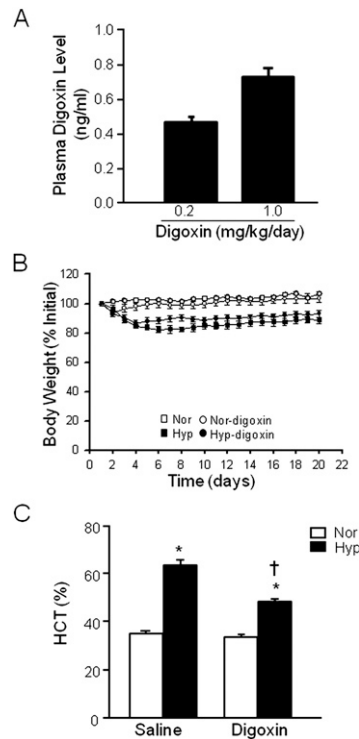


Fig. S1. Plasma digoxin levels and effect of digoxin treatment on body weight and hematocrit (HCT). (A) Plasma digoxin levels (mean \pm SEM) in mice treated by i.p. injection of digoxin ($n = 6$ each). (B) Change in body weight (mean \pm SEM) during normoxic (Nor; 21% O₂) and hypoxic (Hyp; 10% O₂) exposure, expressed as percentage of initial weight (day 1), in mice injected with saline or digoxin (1.0 mg/kg per day). $n = 11$ for Nor-saline, $n = 13$ for Hyp-saline, and $n = 9$ for Nor- and Hyp-digoxin. (C) Hematocrit (mean \pm SEM) in normoxic and hypoxic mice treated with saline or digoxin (1.0 mg/kg per day). $n = 8$ for Nor-saline and Hyp-saline, $n = 9$ for Nor-digoxin and Hyp-digoxin. *Significantly different ($P < 0.05$) from normoxia value within treatment; †significantly different ($P < 0.05$) from Hyp-saline.

Table S1. Effect of hypoxia on right ventricle (RV) and left ventricle (LV) weights

Treatment	RV weight (mg)	LV weight (mg)	BW (g)	RV/BW (mg/g)	LV/BW (mg/g)	HR (beats/min)
Normoxia-prevention						
Saline	20.7 \pm 0.7	89.5 \pm 3.3	28.8 \pm 0.9	0.72 \pm 0.01	3.1 \pm 0.04	393 \pm 46
Digoxin (1.0 mg/kg)	17.2 \pm 0.5	76.0 \pm 2.2	24.9 \pm 0.6	0.70 \pm 0.02	3.1 \pm 0.03	383 \pm 19
Hypoxia-prevention						
Saline	32.2 \pm 1.8*	81.9 \pm 2.5	23.4 \pm 0.5*	1.4 \pm 0.08*	3.4 \pm 0.1	395 \pm 17
Digoxin (1.0 mg/kg)	21.8 \pm 0.9 [†]	71.4 \pm 1.9	23.9 \pm 0.8	0.92 \pm 0.05 [†]	3.0 \pm 0.06	364 \pm 18
Hypoxia-reversal						
Saline	26.0 \pm 1.0	79.3 \pm 2.2	25.6 \pm 0.6	1.0 \pm 0.04	3.1 \pm 0.05	420 \pm 22
Digoxin (0.2 mg/kg)	22.0 \pm 0.9 [†]	75.2 \pm 2.6	25.8 \pm 0.8	0.85 \pm 0.03 [†]	2.9 \pm 0.05	383 \pm 18
Digoxin (1.0 mg/kg)	21.8 \pm 0.6 [†]	71.5 \pm 2.9	23.7 \pm 0.8	0.91 \pm 0.03 [†]	3.0 \pm 0.1	370 \pm 29

Data are presented as mean \pm SEM [$n = 7$ for saline hypoxia-reversal and digoxin (0.2 mg/kg/d) hypoxia-reversal and $n = 8$ for all other groups]. BW, body weight.

*Significant difference ($P < 0.05$) compared to normoxia value within a treatment (saline or digoxin).

[†]Significant difference ($P < 0.05$) compared to saline value within an exposure (normoxia or hypoxia).

