

Online supplement

Table 1s. Hemodynamic and arterial blood gas data in conscious rabbits from each group.

	normoxia	mild hypoxia	severe hypoxia
MBP (mm Hg)			
SED-Sham	82.4 ± 1.9	79.5 ± 2.3	80.9 ± 2.5
EXT-Sham	81.8 ± 2.6	79.6 ± 2.1	80.4 ± 2.4
SED-CHF	75.3 ± 2.3*	75.1 ± 2.5*	74.9 ± 2.7*
EXT-CHF	74.8 ± 2.4*	74.4 ± 2.1*	74.2 ± 2.3*
HR (bpm)			
SED-Sham	237 ± 9	241 ± 12	244 ± 11
EXT-Sham	226 ± 11	228 ± 12	231 ± 13
SED-CHF	276 ± 9*	279 ± 8*	284 ± 12*
EXT-CHF	241 ± 12 [#]	243 ± 13 [#]	245 ± 10 [#]
PaO ₂ (mm Hg)			
SED-Sham	90.8 ± 1.8	60.5 ± 2.5	42.0 ± 1.0
EXT-Sham	90.2 ± 1.9	61.1 ± 2.1	40.7 ± 1.8
SED-CHF	91.0 ± 2.0	59.5 ± 2.5	43.0 ± 2.0
EXT-CHF	90.6 ± 2.3	60.4 ± 2.5	41.2 ± 2.7
PaCO ₂ (mm Hg)			
SED-Sham	36.5 ± 1.4	35.9 ± 1.6	35.2 ± 1.5
EXT-Sham	36.1 ± 1.5	35.3 ± 1.6	34.9 ± 1.6
SED-CHF	37.4 ± 1.8	36.1 ± 1.9	35.5 ± 1.8
EXT-CHF	36.9 ± 1.6	35.7 ± 2.0	35.4 ± 1.8
pH			
SED-Sham	7.44 ± 0.01	7.42 ± 0.01	7.38 ± 0.01
EXT-Sham	7.43 ± 0.01	7.43 ± 0.01	7.41 ± 0.01
SED-CHF	7.42 ± 0.01	7.41 ± 0.01	7.41 ± 0.01
EXT-CHF	7.44 ± 0.01	7.41 ± 0.01	7.41 ± 0.01

Data are means ± SE. n=8 in each group. MBP: mean blood pressure; HR: heart rate. *P<0.05 vs SED-Sham; [#]p<0.05 vs SED-CHF.

Table 2s. Gas/pH data in perfused solution in isolated CB preparations from each group.

	normoxia	mild hypoxia	severe hypoxia
PO ₂ (mm Hg)			
SED-Sham	103.2 ± 2.1	60.9 ± 1.9	41.4 ± 1.8
EXT-Sham	103.8 ± 2.2	59.7 ± 1.7	40.8 ± 1.4
SED-CHF	102.9 ± 2.0	61.1 ± 1.9	42.2 ± 1.4
EXT-CHF	103.5 ± 2.2	60.6 ± 1.6	41.7 ± 1.5
PCO ₂ (mm Hg)			
SED-Sham	32.9 ± 0.5	32.3 ± 0.4	32.4 ± 0.5
EXT-Sham	33.3 ± 0.6	32.6 ± 0.5	32.5 ± 0.4
SED-CHF	32.1 ± 0.5	31.9 ± 0.6	31.2 ± 0.5
EXT-CHF	32.7 ± 0.6	32.2 ± 0.3	31.7 ± 0.4
pH			
SED-Sham	7.41 ± 0.01	7.40 ± 0.01	7.40 ± 0.01
EXT-Sham	7.42 ± 0.01	7.42 ± 0.01	7.41 ± 0.01
SED-CHF	7.40 ± 0.01	7.39 ± 0.01	7.40 ± 0.01
EXT-CHF	7.42 ± 0.01	7.41 ± 0.01	7.40 ± 0.01

Data are means ± SE. n=8 in each group. MBP: mean blood pressure; HR: heart rate. *P<0.05 vs SED-Sham; #p<0.05 vs SED-CHF.