Supplementary Table 1A: Characteristics of Fetal Sheep

Study Group	Number	Gestation (days)	Sex		Fetal body weight (kg)	Fetal brain weight (g)
			Male	Female		
Sham	5	129 ± 2	3	2	3.3 ± 0.8	42.7 ± 9.6
I/R-4	5	126 ± 1	1	4	3.0 ± 0.5	40.6 ± 1.8
I/R-24	7	128 ± 2	4	3	3.0 ± 0.5	39.7 ± 5.7
I/R-48	3	129 ± 1	2	1	3.0 ± 0.4	39.1 ± 5.5
I/R-72	5	129 ± 1	3	ND	3.2 ± 0.3	41.6 ± 6.3

Values are mean ± SD. ND, not determined.

Supplementary Table 1B: Fetal Sheep Physiological Characteristics

Variables	Group	Number	Values Immediately before Autopsy
pH	Control	5	7.34 ± 0.03
	I/R-4	5	7.30 ± 0.10
	I/R-24	7	7.31 ± 0.04
	I/R-48	3	7.34 ± 0.03
	I/R-72	4	7.35 ± 0.03
P_aO_2 (mm Hg)	Control	5	24 ± 3
	I/R-4	5	20 ± 4
	I/R-24	7	22 ± 3
	I/R-48	3	20 ± 2
	I/R-72	4	23 ± 1
P_aCO_2 (mm Hg)	Control	5	51 ± 4
	I/R-4	5	57 ± 4
	I/R-24	7	53 ± 3
	I/R-48	3	53 ± 2
	I/R-72	4	51 ± 5
Base Excess (mEq/L)	Control	5	1.0 ± 3.8
	I/R-4	5	0.4 ± 5.8
	I/R-24	7	-0.6 ± 2.5
	I/R-48	3	1.7 ± 2.5
	I/R-72	4	1.4 ± 2.1
MABP (mm Hg)	Control	5	49 ± 7
	I/R-4	5	40 ± 3
	I/R-24	7	48 ± 9
	I/R-48	3	48 ± 1
	I/R-72	3	40 ± 6
Hematocrit (%)	Control	5	33 ± 4
	I/R-4	5	33 ± 5
	I/R-24	7	35 ± 4
	I/R-48	3	38 ± 3
	I/R-72	3	29 ± 3
Glucose (mg/dL)	Control	5	18.4 ± 8.3
	I/R-4	3	15.2 ± 5.9
	I/R-24	7	20.3 ± 7.1
	I/R-48	3	19.7 ± 4.9
	I/R-72	ND	ND

Values are mean ± SD. ND, not determined. P_aCO_2 and P_aCO_2 are oxygen and carbon dioxide arterial pressures, respectively. MABP is mean arterial blood pressure.