

Table S1. Physiological variables

Experimental group	MABP (mm Hg)	pH	PaCO ₂ (mm Hg)	PaO ₂ (mm Hg)	Glucose (mM)	Hematocrit (%)
Study 1a. CBF threshold (n=8)						
Pre-occlusion	108 ± 10	7.43 ± 0.03	38 ± 2	131 ± 14	6.5 ± 1.1	52 ± 2
Study 1b. Histopathology (n=5)						
Pre-occlusion	122 ± 10	7.39 ± 0.03	41 ± 4	127 ± 14	4.9 ± 0.2	51 ± 1
1 h	139 ± 13	7.38 ± 0.02	40 ± 1	120 ± 8	4.8 ± 0.7	51 ± 2
2 h	129 ± 19	7.41 ± 0.05	37 ± 3	118 ± 16	5.6 ± 1.0	50 ± 1
3 h	122 ± 14	7.42 ± 0.03	38 ± 5	123 ± 14	5.9 ± 0.3	49 ± 4
Study 2. Metabolites (n=14)						
Pre-occlusion	101 ± 7	7.39 ± 0.03	39 ± 3	138 ± 10	5.0 ± 0.8	50 ± 2
1 h	112 ± 9	7.36 ± 0.03	40 ± 4	130 ± 11	4.8 ± 0.7	50 ± 2
Study 3. Perfusion imaging						
Halothane (n=7)						
Pre-occlusion	118 ± 10	7.38 ± 0.02	37 ± 3	125 ± 13	5.6 ± 0.6	--
1 h	117 ± 7	7.35 ± 0.02	40 ± 3	113 ± 18	5.3 ± 0.8	--
4 h	111 ± 5	7.37 ± 0.02	39 ± 3	107 ± 9	5.0 ± 0.5	--
Isoflurane/α-chloralose (n=9)						
Pre-occlusion	126 ± 11	7.39 ± 0.03	37 ± 2	115 ± 8	6.5 ± 0.6	--
1 h	125 ± 6	7.37 ± 0.03	36 ± 2	118 ± 9	5.1 ± 0.9	--
4 h	116 ± 7	7.34 ± 0.03	39 ± 3	111 ± 7	5.2 ± 0.8	--