Supplemental Figure 1.

**SUPPLEMENTAL FIGURE 1.** The maximal changes from baseline (10 minutes after induction of hyperoxia) in the retinal circulation in response to hyperoxia in the groups of PBS (n=5) and 0.01 N HCl (n=5). There are no significant differences in the maximal changes in the %D, %V, or %F between the groups.
**SUPPLEMENTAL TABLE 1.** Effect of BQ-123 on Systemic Parameters in Figure 3 (n=5)
The data are expressed as the means ± standard errors of the mean. Before, before the intravitreal injections; 60 min, 60 minutes after the intravitreal injections. There are no significant differences in the systemic parameters between the groups.

**SUPPLEMENTAL TABLE 2.** Changes in Systemic Parameters during Hyperoxia: PBS vs. 0.01 N HCL (Vehicle Control)
The data are expressed as the means ± standard errors of the mean. For the comparison before with hyperoxia, we used the Wilcoxon signed-rank test. *P < 0.05 is considered significant. Before, before induction of hyperoxia; Hyperoxia, at the end of hyperoxia; After, 10 minutes after the end of hyperoxia.

**SUPPLEMENTAL TABLE 3.** Effect of 0.01 N HCl on Ocular Parameters at Rest (n=5)
The data are expressed as the means ± standard errors of the mean. There are no significant differences in the ocular parameters between the groups.