Supplemental Figure 1. The dynamic intraocular pressure map and corresponding five typical data points on the posterior lens capsule (bottom view, data points 1-4) and cornea (top view, data point 5) in different time steps of a whole cycle during phacoemulsification with propeller (the upper row in each panel) and without propeller (the lower row in each panel). A = 0/4 time point of a cycle; B = 1/4 time point of a cycle; C = 2/4 time point of a cycle; D = 3/4 time point of a cycle; E = 4/4 time point of a cycle.
Supplemental Figure 2. The relationships among intraocular pressure, irrigation fluid (inlet cmH₂O), and vacuum (outlet mmHg) in the non-propeller (panel A) and propeller groups (panel B).
Supplemental Figure 3. The relationship between the phaco tip clogged percentage and intraocular pressure in the propeller group. $S =$ actual blocked area, $S_0 =$ total area of the phaco tip, red arrow = propeller itself.