Supplemental figure 1. Schematic diagram of study design. Two monkeys in experimental group were observed for 1 year. Two monkeys in experimental group were observed for 2 years. One monkey in control group were observed for 2 years. Clinical observation, molecular analysis and histological analysis were carried out.

Supplemental figure 2. Clinical observation of all five monkeys. In the experimental group (Monkey 1, 3, 4, 5), the corneas remained transparent. In the control group (Monkey 2), the corneas remained opaque with edema.