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CORNEAL ENDOTHELIAL DEGENERATION

The cornea is the clear, front part of the eye, and it has a thin layer of cells called the cornea endothelium. This layer of cells helps keep the cornea clear by pumping water out of the cornea. As pets age, these cells stop working well and allow water to accumulate in the cornea. As water accumulates in the cornea, the eyes become a cloudy blue. In mild cases, vision may be decreased. The accumulating of water in the cornea increases the chance an ulcer will develop on the eye, and also makes it harder for ulcers to heal.

This problem may improve with eye drops. However, once the cloudiness develops is generally does not go away even with treatment, and long-term eye drop therapy is usually necessary. In some cases that do not improve adequately on medication, surgery may be necessary.