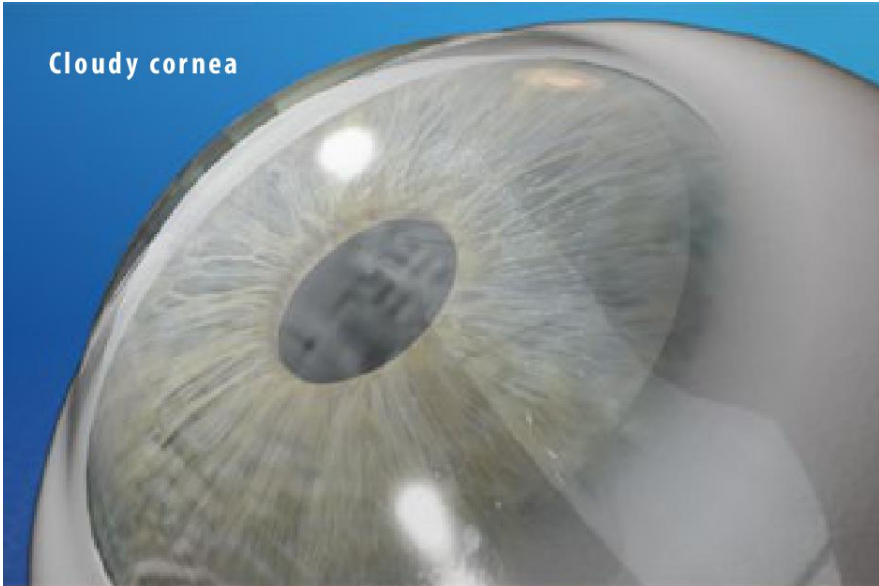


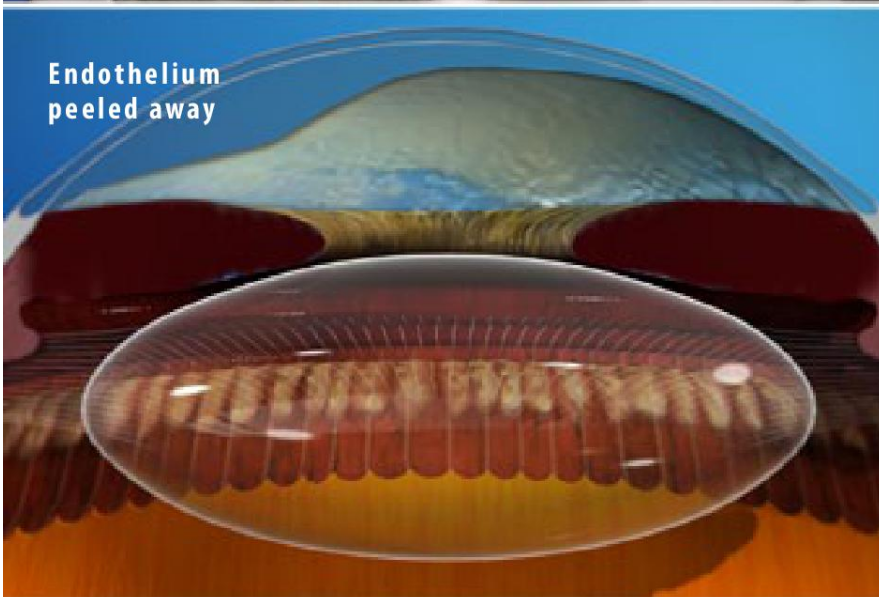


Sutureless Corneal Transplant (DSAEK)

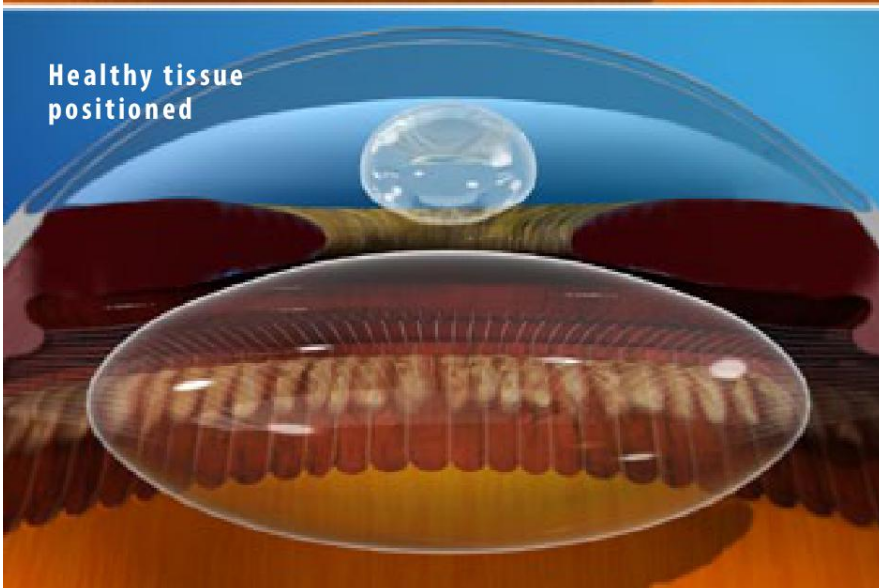
Cloudy cornea



Endothelium
peeled away



Healthy tissue
positioned



Overview

This surgery corrects cloudy vision. It replaces a layer of damaged cells in the front of your eye with healthy tissue from a donor.

Preparation

To start, your eye is numbed. The surgeon makes a tiny incision in your cornea. That's the clear covering on the front of your eye. The cloudy cells that interfere with your vision are found in a layer of tissue called the "endothelium." It lines the cornea's inner side.

Replacing the Damaged Cells

The surgeon carefully peels away this layer of damaged cells. Then, the surgeon slips a layer of healthy cells from a donor cornea into your eye, and closes the incision with a fine suture. An air bubble is injected into your eye to help position the healthy tissue and press it into place against your cornea.

End of Procedure and Aftercare

After the surgery, you will lie on your back for about an hour in a recovery room. Your surgeon monitors you to make sure the new cells stick to your cornea properly. After the monitoring period you can go home, but you will lie on your back while the bubble is still in your eye. You will use special eyedrops as you heal to prevent infection. Followup visits will be needed.