

Descemet Membrane Endothelial Keratoplasty (DMEK)

Category(ies): Cornea

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Descemet Membrane Endothelial Keratoplasty (DMEK) is a partial-thickness cornea transplant procedure that involves selective removal of the patient's Descemet membrane and endothelium, followed by transplantation of donor corneal endothelium and Descemet membrane without additional stromal tissue from the donor.

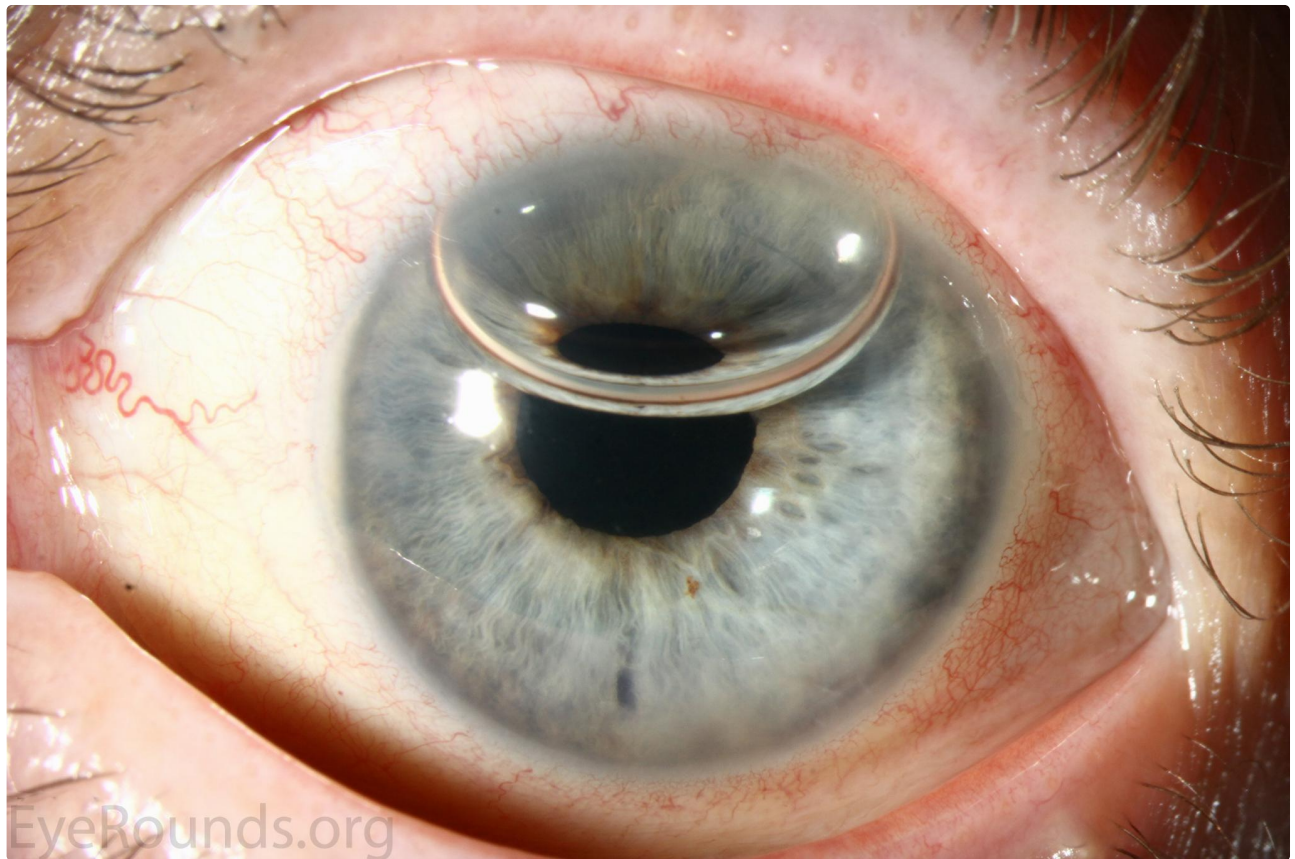


Figure 1A: post-operative appearance of patientd who underwent DMEK for Fuchs endothelial corneal dystrophy at 1 week post-operatively with residual anterior chamber gas bubbles

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Figure 1B: post-operative appearance of patientd who underwent DMEK for Fuchs endothelial corneal dystrophy at 1 week post-operatively with residual anterior chamber gas bubbles

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Figure 1C: post-operative appearance of patientd who underwent DMEK for Fuchs endothelial corneal dystrophy at 2 weeks post-operatively with complete resorption of the gas

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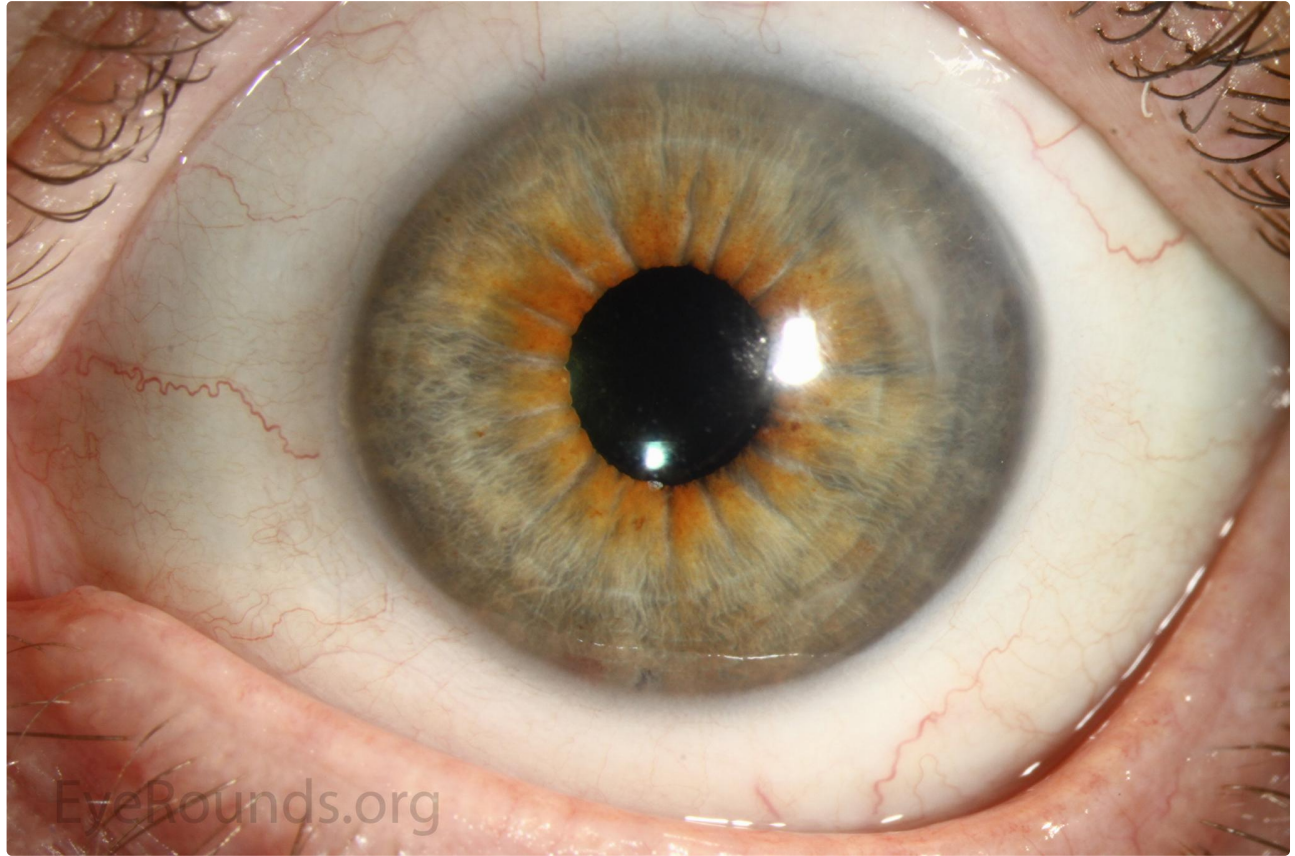


Figure 1D: The appearance 1 month after surgery with a clear cornea and 20/20 acuity

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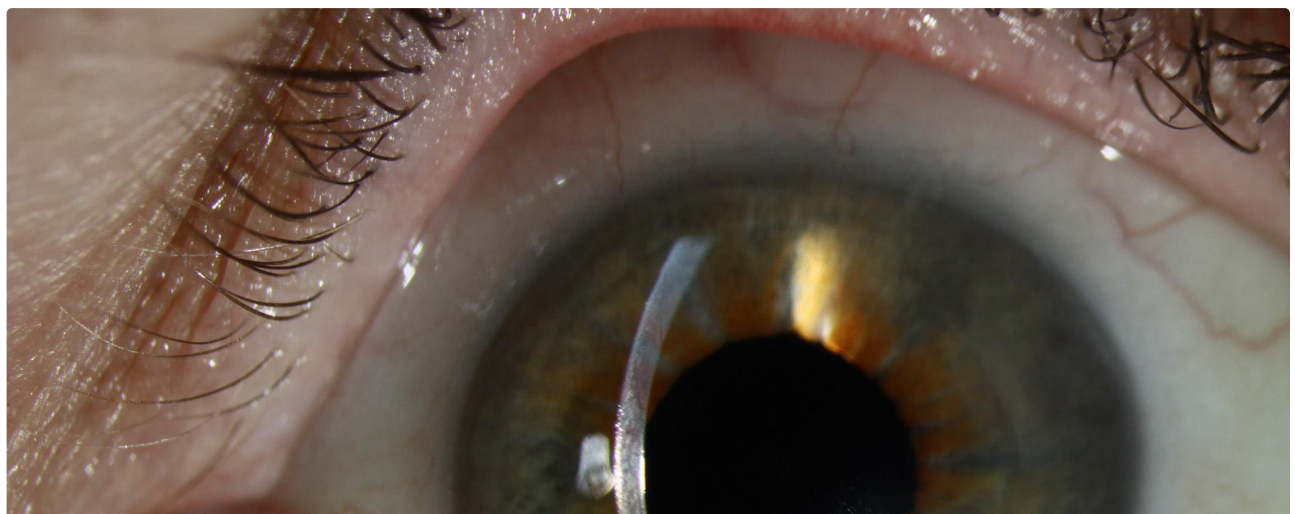




Figure 1E: The appearance 1 month after surgery with a clear cornea and 20/20 acuity

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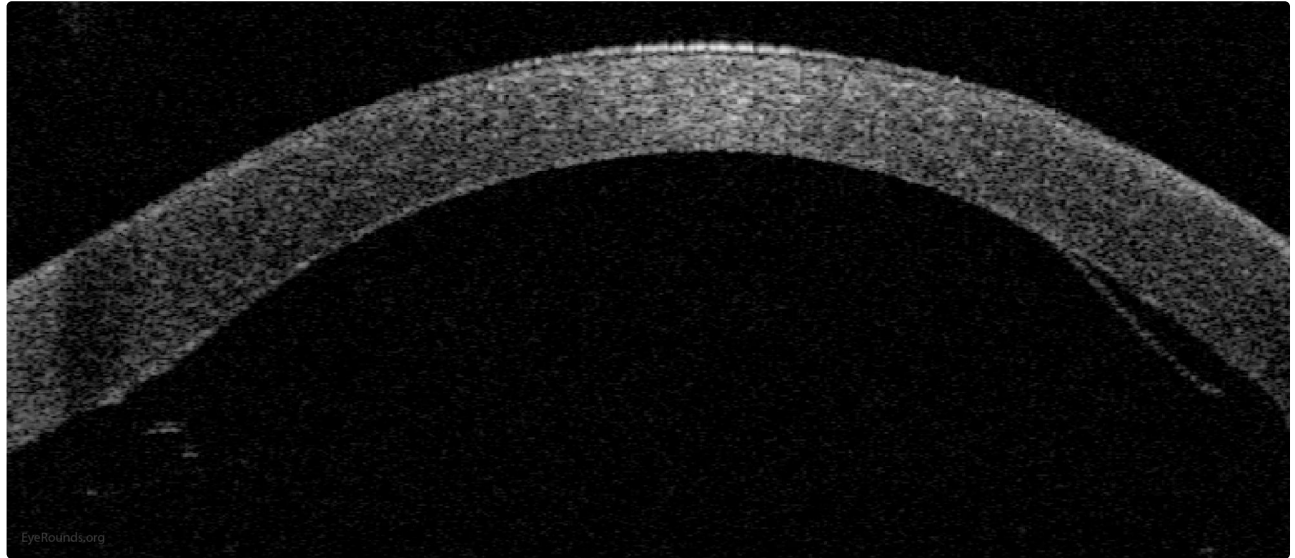


Figure 2: Anterior segment optical coherence tomography demonstrating a limited, peripheral graft edge lift one week after DMEK surgery (right side of image). The attached portion of the graft mimics normal anatomy due to the precise 1-to-1 replacement of tissue with DMEK.

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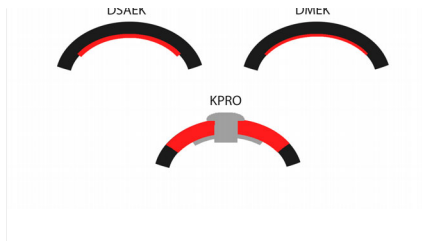


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