Ophthalmology and Visual Sciences



Descemet Stripping Automated Endothelial Keratoplasty (DSAEK)

Category(ies): Cornea

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Descemet stripping automated endothelial keratoplasty (DSAEK) 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 in addition to donor corneal stroma. The photographs show the post-operative appearance of two different patients who underwent DSAEK for Fuchs endothelial corneal dystrophy. Read the related article for more information regarding modern corneal transplantation techniques.

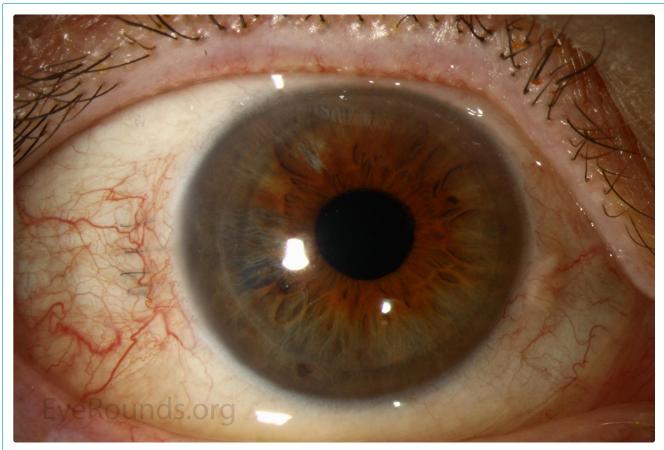


Figure 1A: The DSAEK grafts can be visualized as a subtle ring in diffuse illumination



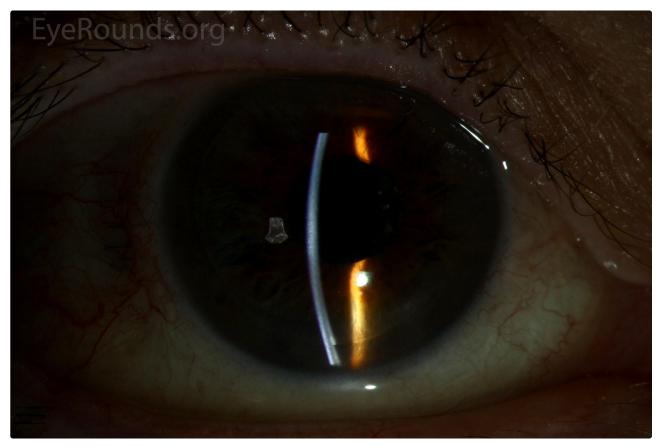


Figure 1B: The DSAEK grafts can be seen protruding posteriorly from the cornea in the inferior aspect of the slit beam

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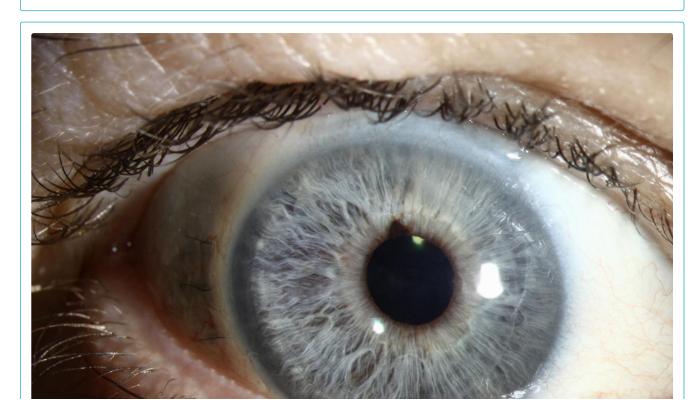




Figure 1C: The DSAEK grafts can be visualized as a subtle ring in diffuse illumination

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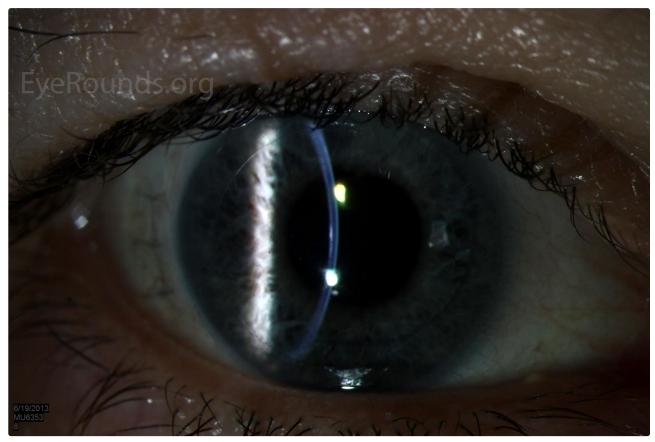


Figure 1B: The DSAEK grafts can be seen protruding posteriorly from the cornea in the inferior aspect of the slit beam

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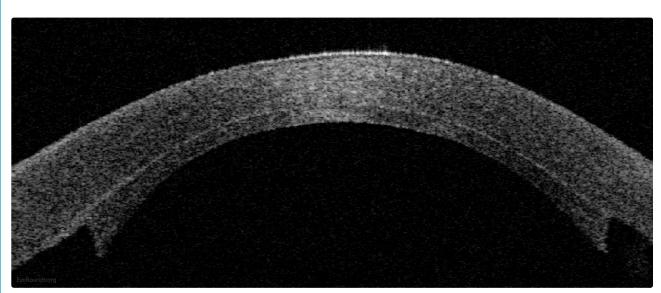


Figure 2: Anterior segment optical coherence tomography demonstrating an attached DSAFK graft one day after surgery





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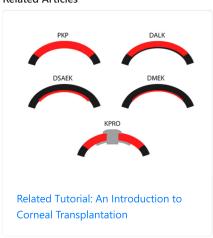








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