



Universiteit  
Leiden  
The Netherlands

## **Advances in endothelial keratoplasty**

Birbal, R.S.

### **Citation**

Birbal, R. S. (2020, November 17). *Advances in endothelial keratoplasty*. Retrieved from <https://hdl.handle.net/1887/138387>

Version: Publisher's Version

License: [Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden](#)

Downloaded from: <https://hdl.handle.net/1887/138387>

**Note:** To cite this publication please use the final published version (if applicable).

Cover Page



Universiteit Leiden



The handle <http://hdl.handle.net/1887/138387> holds various files of this Leiden University dissertation.

**Author:** Birbal, R.S.

**Title:** Advances in endothelial keratoplasty

**Issue Date:** 2020-11-17

## **Stellingen behorend bij het proefschrift getiteld:**

### **Advances in Endothelial Keratoplasty**

1. Various Descemet membrane endothelial keratoplasty (DMEK) graft dissection techniques similarly result in high-quality tissue suitable for transplantation. – *this thesis*
2. DMEK can be considered a primary treatment in eyes with endothelial dysfunction and a glaucoma drainage device.  
– *this thesis*
3. A centrally well-attached endothelial graft is required for rapid, complete, and lasting corneal clearance in eyes with moderate to advanced Fuchs endothelial corneal dystrophy (FECD).  
– *this thesis*
4. Quarter-DMEK may become an increasingly popular complementary DMEK-technique for mild to moderate FECD, and quadruple the availability of endothelial donor tissue. – *this thesis*
5. DMEK should be the gold standard in the management of corneal endothelial dysfunction.
6. Close collaboration between eye banks and corneal surgeons is crucial to provide patients with high quality tissue for transplantation.
7. The success of Descemet stripping only is highly dependent on a small, central descemetorhexis without damage to the stroma.
8. Corneal endothelial cell injection therapy will rival DMEK as the gold standard for treatment of corneal endothelial dysfunction.
9. It is unlikely that artificial intelligence will replace cornea specialists in the foreseeable future.
10. Having different mentors who approach ophthalmology's most difficult challenges with unique mindsets and innovative ideas is invaluable.
11. In the effort to combat Corona virus-related morbidity, there is insufficient awareness regarding individual viral spreading behavior.
12. When we try to prevent viral spreading and wear masks that cover much of our face, we are reminded that our eyes not only act as a means of seeing the world around us, but also as a way of communicating and connecting with it.