

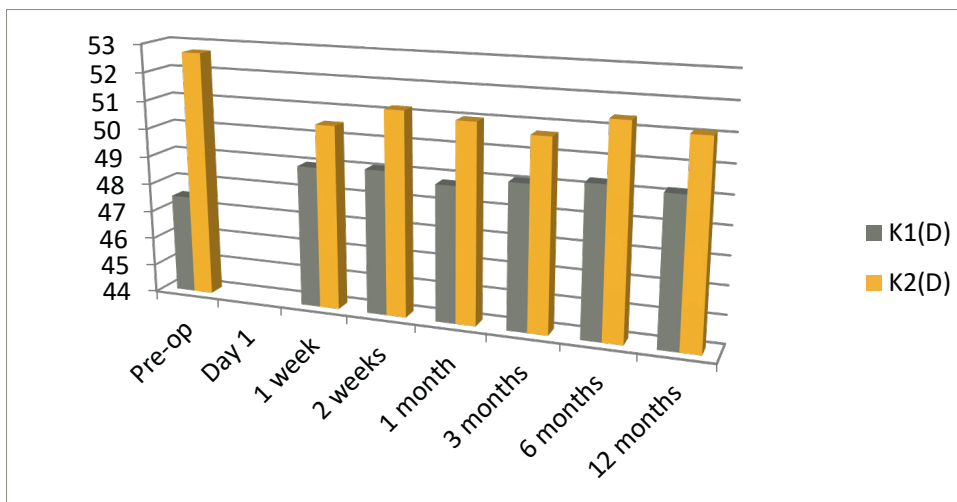
First Clinical Application of LIKE[®] with the Gebauer SLc Expert

Mid-stromal lamellar keratoplasty (MSLK): A novel surgical technique for the management of advanced keratoconus

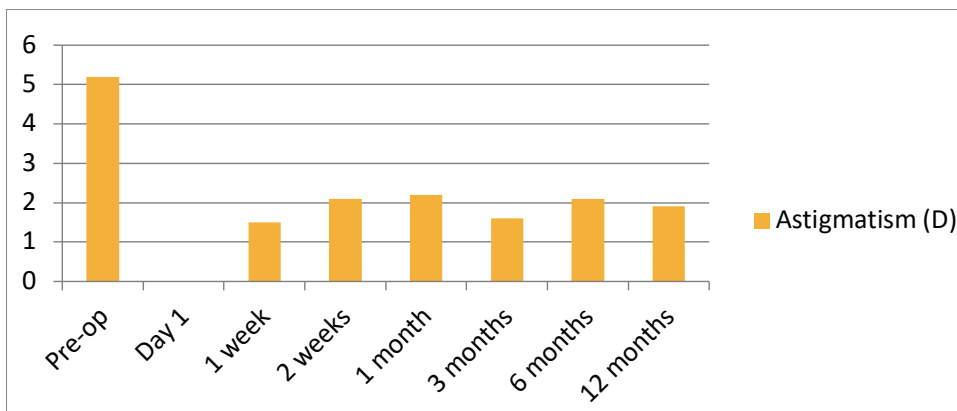
What has been achieved after 12 months?

- Stabilization of topographically measured k values and astigmatism from 1 to 2 weeks post-op:

K values

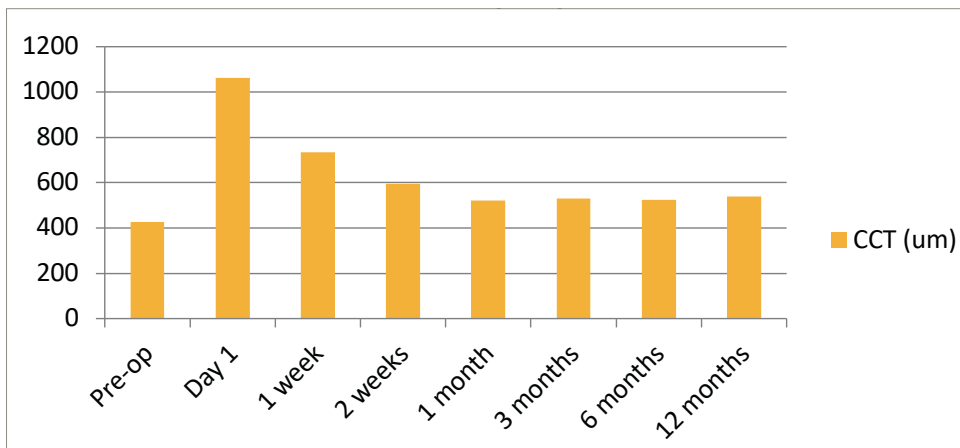


Astigmatism (D)



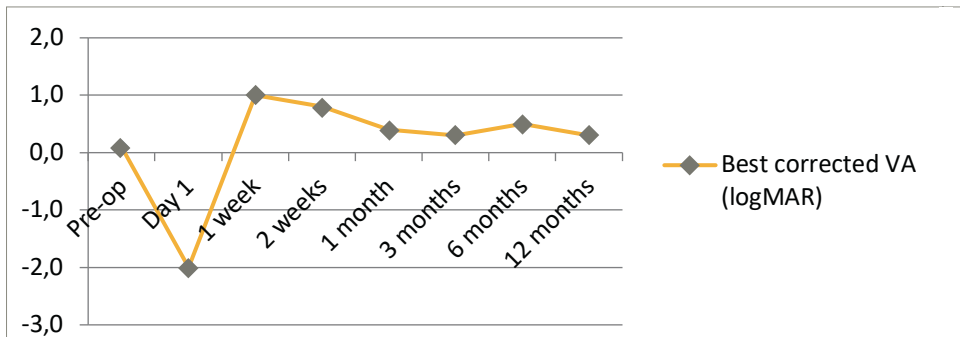
- Stabilization of CCT from 1 month post-op:

CCT (um)



- Stabilization of VA from 1 month post-op:

VA (logMAR)



- No need to remove sutures

What have we not yet achieved?

- Whether results are stable long term and reproducible
- How thickness and profile of graft correlate with post-op outcome
- Whether a better result is achieved with or without crosslinking

What further options do you see for the future?

- Potential for topography guided PRK to improve unaided visual acuity
- Customized profile and thickness of transplant to achieve a specific desired result, i.e. regular curvature with elimination of astigmatism

References:

1. Professor Sunil Shah, FRCS(Ed) FRCOphth FBCLA, Consultant Ophthalmologist, Birmingham Midland Eye Centre, UK
2. Mohammad A. Khan, BSc (Hons), MBChB, FEBO, FRCOphth, Corneal Fellow, Birmingham Midland Eye Centre, UK
3. Jonathan W. B. Martin, BSc (Hons), 4th Year Medical Student, MB ChB programme, Faculty of Health Sciences, University of Bristol
4. Priscilla Mathewson, MB BChir MA(Cantab) FRCOphth, Specialist Registrar, Birmingham Midland Eye Centre, UK