

# Corneal reinnervation after lamellar keratoplasty in comparison with epikeratophakia and photorefractive keratectomy

Authors: A Böhm; M Kohlhaas; U Kliefoth; J Draeger; Marco Abbondanza; M Lombardi; M Zuppardo; M Görne

*Der Ophthalmologe*, vol. 91, no. 5, pp. 632-637  
1994

**Abstract:** Corneal sensitivity was examined with the Draeger aesthesiometer in 8 patients after lamellar keratoplasty, 7 patients after epikeratophakia and 82 patients after photorefractive keratectomy. We examined 9 different points in each cornea. The corneal sensitivity of patients after lamellar keratoplasty was normal 1 year after operation. A correlation with the depth of the lamellar dissection was demonstrated. Patients with lamellar keratoplasty with pterygium showed a sensitivity decrease in the nasal parts of the lenticule even after one year. Three years after epikeratophakia the corneal center was still not sensitive. After photorefractive keratectomy of more than 10 D, corneal hyposensitivity was shown even 2 years after operation.