Cultured limbal stem therapy for Corneal chemical injury

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Limbal cell deficiency causes

May occur as a result of <u>depletion of stem cells</u> or destruction of their <u>stromal niche</u> such as in:

- Congenital: Aniridia
- Idiopathic conditions
- Chemical/thermal burn
- Introgenic: surgery or contact lens use
- Autoimmune: Stevens Johnson syndrome and OCP













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Higher magnification





























RESULTS

- Three allografts and two autografts were done
- Two patients gained unaided vision 0.1
- One patient gained unaided vision 0.2
- Fourth patient gained unaided vision 0.2, maintaned for four years then followed by graft failure after phaco surgery
- Regarding surface vascularization, 3 cases maintained graft clarity till now.
- One patient had graft vascularization in 2 quadrants
- Fifth one suffered from total vascularization and graft failure



THANK YOU



