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## Stem cell transplantation for vision

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**A** 28-year female presented with progressive decrease in vision and pannus formation in both eyes for the past 10 years. There was no history of any past surgery, drug reaction or injury. The disease progression was such that right eye was lost five years back. At presentation, right eye was phthisical. Vision in the left eye was hand movements close to face with total limbal stem cell deficiency, Inferolateral symblepharon, and a normal posterior segment on B Scan. Options of keratoprosthesis were discussed. We performed allogenic limbal stem cell transplantation wherein

limbal tissue was taken from the mother. On the patient's eye, pannus was excised, amniotic membrane was transplanted sutureless all over the cornea and upto three mm beyond. Limbal biopsy was cut into small pieces and spread over the cornea in circular fashion. Lateral tarsorrhaphy was done at the end. After three years follow-up, the patient was on systemic immune suppression and maintained a vision of 6/18.

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