

Outcome of amniotic membrane transplantation for reconstruction of contracted socket

Tehmina Nazir *FCPS*

Abstract

Objective: To see the outcome of amniotic membrane (AM) graft for reconstruction of contracted socket

Study Design: Quasi-experimental

Setting: The study was conducted at Al-Shifa Trust Eye Hospital, Rawalpindi, Pakistan over a period of 8 months.

Patients and Methods: Patients coming to the Oculoplastic clinic with acquired contracted sockets were included in this study. Pre-operative measurements of the contracted socket were taken. Amniotic membrane used in this study was prepared at Al-Shifa Trust Eye Hospital. Placentas were brought from Fauji Foundation Hospital and Rawalpindi General Hospital. Reconstructive surgery and amniotic membrane transplantation was performed by the same surgeon under GA. Post-operative measurements were taken on each visit.

Result: The preoperative mean height of fornices was 4.18 (SD+-1.98mm) and mean depth was 2.01 (SD+-0.91) and the post-operative mean height was 9.06mm (SD+-3.75) and mean depth was 4.46mm (SD+-1.70). When t-test was applied there was statistically significant difference between the preoperative measurements of the socket. 80% of the patients were able to retain ocular prosthesis. Six patients had graft failure.

Conclusion: Amniotic membrane grafting is a simple and straight forward surgical technique for the treatment of contracted socket and gives cosmetically and functionally acceptable results in reconstruction *Al-Shifa Journal of Ophthalmology 2012; 8(1): 36-41* © Al-Shifa Trust Eye Hospital, Rawalpindi, Pakistan.
