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Service (sector) Cornea and External DiseaseN° CEP

Amniotic Membrane for Symblepharon Correction

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PURPOSE: The purpose of this study is to report the surgical results of the amniotic membrane(AM) transplantation for symblepharon correction.

METHODS: Retrospective analysis of 15 eyes of 15 patients that underwent to symblepharon correction with AM was done. Amniotic membrane was obtained at the time of cesarean section and preserved at -80c in glicerol and cornea culture medium 1:1. Lid adhesions and the conjunctival fornix were released, followed by fibrovascular tissue excision and AM transplantation. Scleral lenses were used in 9 eyes and transfixing suture in 6 cases.

RESULTS: Nine males(60%) and 6 females (40%) were evaluated. The mean age was of 48 years old (16-74yo) and the mean follow-up time of 9 months (3-18 months). There were 6 cases(40%) of cicatricial diseases, 5 (33.3%) of pterygium recurrence and 4 cases (26,6%) post-surgical trauma. Satisfactory results were observed in 2 eyes(13.2%), improvement in 3(20%), recurrence in 9 (60%) and bad results in 1 eye (6,6%).

CONCLUSION: This study did not show satisfactory results with the use of AM for symblepharon correction. However, we suggest that longer and with more patients studies should be done to determine the indications for the use of AM in these cases.