## **TISSUE TRANSPLANTATION REPORT FOR 2022 AND 2023**

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**Background.** Approximately 185.000 cornea transplant surgeries are performed wordwide every year. A corneal graft can be utilized to improve vision and for the reconstruction of severe damages in the cornea. Additionally, cryopreserved amniotic membrane is used as a biological dressing in the treatment of various ocular surface disorders by promoting epithelialization and suppressing inflammation.

Aim of the study. To assess the dynamics of the number of corneal and amniotic membrane transplant surgeries throughout the 2022 and 2023 years.

**Methods and materials.** This is a secondary data analyzing study based on the Tissue Transplantation Reports at Ophthalmology Clinic No.2 for the years 2022 and 2023 in the SCM *"Sf. Treime*" Transplant Center.

**Results.** In 2022, a total of 90 tissue transplant procedures were performed at Ophthalmology Clinic No.2. 10% (9 recipients) of these were corneal grafts, and 90% (81 recipients) were amniotic membrane transplants. In 2023, there was a 19% increase in transplant surgeries (111 surgeries). Out of the totat number 16% were corneal transplants and 84% were amniotic membrane transplants. Over the course of 2 years of activity, 201 tissue grafts were ordered and transplanted to patients without any damage in the process or any returns to the bank.

**Conclusion.** The analysis of data from 2022 and 2023 shows a steady increase in the number of transplant procedures, with a 19% rise in total transplant surgeries. There were performed a total of 201 tissue grafts transplant surgeries, including 27 corneal grafts and 174 cryopreserved amniotic membrane grafts, over the 2-year of period.

Keywords: Corneal graft, amniotic membrane, tissue transplant.