

Alternative in the treatment of Neurotrophic Keratopathy.

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Introduction: Neurotrophic Keratopathy (NK) is a degenerative disease that occurs as a result of partial or total impairment of trigeminal innervations, leading to the reduction of corneal sensitivity. The use of autologous serum in the form of eye drops can be a treatment for severe ocular surface disorders like Neurotrophic Keratopathy. The use of the Therapeutic Contact Lenses (TCL) is a good solution also.

The aim of the study is to show the benefits of treatment with autologous serum and TCL in Neurotrophic Keratopathy.

Material and Method. We took in the study a number of 22 cases of NK with persistent epithelial defect treated with autologous serum and TCL beside usual treatment in the department of ophthalmology in the Clinical Hospital Sibiu. The serum was prepared in the hospital laboratory. The concentration was 20-50%. Administrated 3-5 times daily for 3-4 weeks. The contact lens was a silicon hydrogel one, approved for therapeutically reason.

Results and Discussions: In all cases the results were good, the epithelization of cornea was accelerated. In some cases the patients lost the TCL. One patient developed a complication, a microbial keratitis.

Conclusions: The treatment of Neurotrophic Keratopathy is multifactorial.

The treatment with autologous serum is benefic.

Using TCL is a good solution, but sometimes the patients lost TCL, and is danger to develop a microbial keratitis.