

Research of Clinical Effectiveness of Benzketazon Eye Ointment in Treatment of Eye-Burnes

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Purpose: Evaluation of anti-inflammatory and regenerative effectiveness of new ophthalmological medication from nonsteroid anti-inflammatory drugs group, Benzketazon in eye-burnes.

Methods: Research included 35 patients (35 eyes) in age 16-80, with eye-burns accompanied with epithelium defect. With agreement of patients they were divided on 2 groups: Control (15 eyes) and Main (20 eyes). In control group treatment was traditional and included instillation of Sol. Albucidi 30%, Sol. Laevomycetini 0,25%, Sol. Chinini 1%, Taufon, mild midriatics, parabulbar or subconjunctival antibiotics injection (Gentamicin), desensitizing medications, vitamin therapy. In the main group this treatment was combined with application of Benzketazon eye ointment 2-3 times a day, during 2-3 weeks. Effectiveness evaluation criteria: epithelization, resorption of cornea infiltration, outcome.

Results: Epithelization in main group on $5,8 \pm 1,7$ day, in control group regeneration of epithelium was slowed $11,2 \pm 1,9$; resorption of infiltration on $6,9 \pm 0,6$ day in main group, on $8,2 \pm 0,8$ in control; 48,7% of patients in main group had totally epithelized cornea without any defect of it's limpidity, 13,5% had medium dimness, in other cases dimness was seriously reducing visual acuity; in control group – totally clear cornea – in 19,3%, medium dimness – 38,7%.

Summary: Anti-edematous and reparative effectiveness of Benzketazon – domestic ophthalmologic ointment in eye-burns treatment was clinically revealed and proved.