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MEDICAL SCIENCES

Optimization of treatment of ichthyosis eye manifestations in children of early and preschool age

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Relevance. Ichthyosis is a hereditary skin disease that occurs as a dermatosis.

It is characterized by a diffuse violation of keratinization and manifests itself in the form of scales on the skin that resemble fish scales. The main cause of ichthyosis is a genetic mutation that is inherited, characterized by impaired protein and fat metabolism.

Quite often, ichthyosis is accompanied by eye damage, which is manifested by chronic conjunctivitis, keratitis, blepharitis, and retinitis. Patients with ichthyosis have a hereditary predisposition to myopia, which begins to manifest itself in childhood. Since immunity is reduced, allergic diseases and purulent infections in such patients are permanent.

Purpose of the study. To study the features of the treatment of ocular manifestations of ichthyosis in children.

Materials and research methods. We examined 20 children with ocular manifestations of ichthyosis who were treated in the department and department of pediatric ophthalmology and dermatology of the TashPMI clinic. Of the total number of children, there were 12 boys and 8 girls aged 1 to 7 years. All patients were prescribed eye drops containing hyaluronic acid and dexpanthenol. Monitoring the effectiveness of treatment was carried out on the basis of improved vision, and the disappearance of clinical manifestations of the disease within 10-30 days.

Results and its discussion. Of 20 children with ocular manifestations of ichthyosis, signs of keratitis were detected in 70% of cases, eyelid eversion in 20%, corneal ulcer in 10% of cases, respectively. In 90% of children with keratitis and eversion of the eyelids after drug treatment, an improvement was observed within 10-14 days, with a corneal ulcer, improvement was observed at the 3rd week of treatment. All examined children after the treatment showed improvement in vision

and disappearance of discomfort in the eyes. There were no long-term complications or progression of the disease.

Conclusion. A feature of corneal lesions in ichthyosis is a long, recurrent and progressive course with the possible development of corneal perforation. The proposed method of treatment, including the appointment of preparations containing hyaluronic acid and DE panthenol, allows not only to preserve the eye as an organ, but also to maintain sufficiently high visual functions.

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