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## **Corneal Perforation and Iris Prolapse in a Persian Cat**

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### **Abstract**

A Persian cat which is two years old, vaccinated, uncastred, has visited our clinic with complaint of loss of vision and an ocular discharge. According to anamnesis, the patient's eye problem started 15 days ago and was treated in different clinics. Clinical examination revealed corneal perforation in the left eye and iris prolapse from the perforated area, while uveitis was noted. Any foreign matter was found. Amoxicillin+clavulanic acid has been systematically used for 10 days in treatment. Ofloxacin, acetylcysteine and cyclopentolate drops have been started and elizabethan collar was applied during treatment. Patient was operated on the 5th day of medical treatment. The incarcerated part of the iris has excised carefully with surgical intervention. Corneal suture was not applied due to the wide area of perforations and its fragility. Third eyelid flap reconstructed after the excision. On the 10th postoperative day, the third eyelid flap was opened, and the treatment was continued for 2 weeks with the same drops. While reducing other drops in the third week, hyaluronic acid drops treatment has been continued. Significant improvement in eye lesions was noted during this process, and visual loss of vision disappeared. Corneal perforation is formed by the destruction of all layers of the cornea. Perforation is usually caused by progressive deep corneal ulcers or penetrating traumas. The humor aqueous flows with perforation and even the iris prolapse is shaped. The prolapsed iris becomes edema, gets mucoid appearance and sticks to cornea in a short span of time. Prolapsed iris is covered by fibrous membrane in the process of time. Applying suture to cornea rarely occurs in such cases. In this study, eye lesions were evaluated in a cat with corneal perforation and iris prolapse and the results of treatment were shared with our colleagues.

**Keywords:** cat, corneal perforation, iris prolapse

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