Scientific Report

Anterior uveitis in a kitten infected with *Toxoplasma gondii* (Tehran strain)

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Summary

Ocular lesions are a common manifestation of toxoplasmosis in cats. In this survey, 10 healthy Syrian mice were infected through intraperitoneal inoculation of bradyzoites of *Toxoplasma gondii* (Tehran strain). Mice were killed 30 days after inoculation and the suspension of their brains was prepared, after confirmation of the infection. Seven kittens were fed with the infected mice brain suspension. The kittens were 2.5–3 months old and had body weights of 650–900 g. All kittens shed oocysts 7–8 days after infection, and had antibody titers as high as 1/320–1/1280 30 days after the challenge. Serum chemistry and complete blood count were determined in all of the kittens. Examination of eyes was done with ophthalmoscope twice during one week. Only one kitten showed unilateral anterior uveitis on day 16 after the infection was diagnosed based on serology, oocyst shedding and other clinical signs.

Key words: Anterior uveitis, Kitten, *Toxoplasma gondii*