

عنوان مقاله:

Successful treatment of Candida albicans-induced fungal cystitis in a dog using caspofungin : a case report

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خلاصه مقاله:

A 7-year-old castrated male poodle was brought to the referral Animal Medical Center and diagnosed with diabetes and pancreatitis. One month later, the patient presented with cloudy urine, and ultrasonography revealed a large number of spherical substances. The patient was subsequently diagnosed with fungal cystitis with *Candida albicans*. Initially, 100 mg kg⁻¹ itraconazole was prescribed twice daily for six weeks, and the symptoms of prolonged urination improved; however, the fungal balls persisted in the bladder. The six months later, the patient showed recurrent symptoms, such as dysuria and stranguria; therefore, 50 mg kg⁻¹ fluconazole was prescribed twice daily; however, it was not effective. Subsequently, 100 mg kg⁻¹ caspofungin once daily was administered for three consecutive days. Finally, the fungal balls in the bladder disappeared. The patient was regularly monitored after completion of treatment and, 17 months later, doing well without recurrence. Few reports exist on the use of caspofungin in veterinary medicine. The recommended dose of caspofungin in dogs remains unknown. In the case of azole-resistant *Candida*, treatment using caspofungin should be considered; although, additional studies on the established dosing and side effects are needed.

کلمات کلیدی:

Anti-fungal drugs, Azole-resistant candidiasis, *Candida albicans*, Caspofungin, fungal cystitis

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