



Evaluating Fungal Disease Medication

Treating life-threatening fungal diseases in dogs is expensive. The antifungal drug fluconazole is a commonly used and effective antifungal for many diseases affecting dogs. However, fluconazole dosing is based on human approved formulations that may or may not work exactly the same way in the dog. Researchers recently demonstrated extreme variability in how much fluconazole is absorbed after oral administration. Dogs that switched brands of fluconazole tablets had up to two-fold changes in drug absorption. These changes can cause adverse effects and contribute to treatment failure. Researchers will compare fluconazole tablets from different manufacturers and study the effect of giving the tablets with and without food as food may also affect absorption. Findings will help determine the best and most cost-effective treatment protocol for dogs with fungal infections.

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