



WINN FELINE FOUNDATION

For the Health and Well-being of All Cats

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EFFICACY OF BOSENTAN IN CATS WITH ARTERIAL THROMBOEMBOLISM

PROJECT STUDY:

The efficacy of Bosentan, a mixed Eta ETb receptor antagonist, in cats with arterial thromboembolism

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Feline arterial thromboembolism (ATE) is a devastating disease of cats, most commonly striking those with cardiomyopathy. Treatment is difficult and often unrewarding. These investigators explored the use of a drug called Bosentan for treatment of ATE. This drug blocks a chemical in the blood that contributes to the disease state; thus it was hoped that this drug would induce improved blood flow.

They used this drug to treat 10 cats with naturally occurring ATE while 8 cats did not receive this drug. They monitored pulse quality and movement of legs, and found that 5/10 cats receiving Bosentan improved within 24 hours, while only 2 of 8 cats not given bosentan improved. These results were encouraging that Bosentan may aid treatment of cats with ATE. The investigators plan to continue this evaluation.

Summary prepared by Melissa A. Kennedy, DVM, PhD, DACVIM © 2015

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