



WINN FELINE FOUNDATION

For the Health and Well-being of All Cats

637 Wyckoff Ave., Suite 336, Wyckoff, NJ 07481 • www.winnfelinefoundation.org
Toll Free 888-9MEOWIN (888-963-6946) • Local Phone 201-275-0624 • Fax 877-933-0939

EFFECTS OF SEDATIVE MK-467 COMBINED WITH DEXMEDETOMIDINE IN CATS

PROJECT STUDY: Hemodynamic effects of MK-467 combined with dexmedetomidine in cats

Bruno Pypendop, DVM, PhD, DAVA; School of Veterinary Medicine, University of California-Davis

Final report summary, W14-015

Dexmedetomidine is a drug used for sedation and pain relief in cats. It does have side effects, including reduced blood flow to tissues and organs. A different drug, MK-467 can actually prevent these potentially detrimental side effects of dexmedetomidine while preserving its ability to provide sedation and pain relief.

This study was aimed at characterizing the cardiovascular and some respiratory effects of dexmedetomidine, MK-467, and their combination in cats. These investigators found that MK-467 does indeed counteract some of the negative side effects of dexmedetomidine, (exa, decreased heart rate) while not affecting the drug's usefulness in sedation and pain relief. Thus, it may be useful to combine administration of MK-467 with dexmedetomidine in cats, especially in older cats or cats with significant disease.

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

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The Winn Feline Foundation is a non-profit organization [501(c)(3)] established by The Cat Fancier's Association.
Member Combined Federal Campaign #10321