

WELL LIFE COMPOUNDING PHARMACY

FELINE HYPERTENSION

This study found that amlodipine was shown to be effective once daily antihypertensive agent in cats – “Amlodipine: a randomized, blinded clinical trial in 9 cats with systemic hypertension” (J Vet Intern Med. 1998 May-Jun;12(3):157-62).

ABSTRACT: “The efficacy of amlodipine (AML) was tested in hypertensive cats in a placebo-controlled, randomized, blinded clinical trial. Five cats were randomized to receive 0.625mg AML once daily and 4 cats to receive placebo (PLA) once daily. The average systolic blood pressure (SBP) recorded by the Doppler method on day 0 was 212 +/- 21 mm Hg in the AML group and 216 +/- 32 mm Hg in the PLA group. On day 7, the cat receiving AML had a significantly lower average daily SBP (160 +/- 30 mm Hg) but SBP in the PLA group was unchanged (207 +/- 31 mm Hg). On day 7, all cats receiving PLA and once cat receiving AML were crossed over to the other group because of inadequate response. Blood pressure did not decrease adequately in 3 cats by day 14 (7 days of PLA and 7 days of AML) and the treatment code was broken. Each of these cats was subsequently administered 1.25mg AML daily. Cats requiring 1.25mg AML once daily (6.1 kg +/- 0.7kg) weighed significantly more than cats that responded to 0.625mg AML once daily (4.1 kg +/- 0.7 kg). The average daily SBP recorded in the 6 cats that completed the study was significantly lower after 16 weeks of treatment (152 +/- 14 mm Hg) compared to day 0 (221 +/- 24mm Hg). Three cats were euthanized before completion of the study. All 3 cats were responders to AML on day 7. SBPs measured 24 hours after AML administration were similar to the average daily SBP, suggesting that AML effectively controlled SBP for a 24-hour period. AML was shown to be an effective once-daily antihypertensive agent when administered to cats at a dosage of 0.18 +/- 0.03mg/kg sid.” PMID: 9595376

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This study found that amlodipine appears to be a safe and effective oral treatment for systemic hypertension in cats when used chronically once daily as a single agent – “Treatment of systemic hypertension in cats with amlodipine besylate” (J Am Anim Hosp Assoc. 1997 May-Jun;33(3):226-34).

ABSTRACT: “Amlodipine besylate, a calcium channel blocker, was used to treat (mean +/- standard deviation [SD], 127 +/- 68 days) 12 cats with systemic hypertension. Amlodipine was administered orally at a dosage of 0.625mg per cat (range 0.08 to 0.23mg/kg body weight; mean dose +/- SD, 0.17 +/- 0.04mg/kg body weight) once daily as a single agent. Average indirect systolic blood pressure measurements in the 12 cases decreased significantly from 198 to 155 mmHg during amlodipine treatment. Significant changes in body weight and serum creatinine and potassium concentrations were not detected. Amlodipine appears to be a safe and effective oral treatment for systemic hypertension in cat when used chronically once daily as a single agent.

Example of how you might prescribe:

Amlodipine Besylate 0.625mg/0.1ml
Transdermal Gel
5ml

Apply 0.1ml to inner ear QD

Or

Amlodipine Besylate 1mg/ml
Oral suspension
30ml

Give 1 ml by mouth QD