

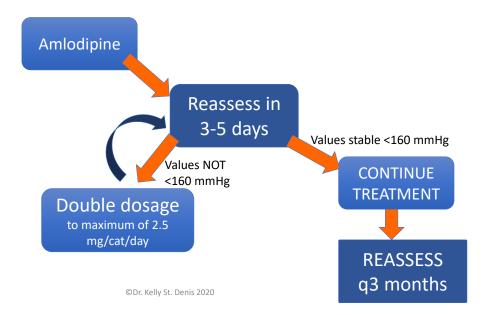
# Treatment

## **Goals of Treatment**

- 1. TOD: decrease risk, reverse damage (if possible)
- 2. Improve or maintain health of cat
- 3. In cases of secondary hypertension, treat primary disease
- 4. Target <150-160 mmHg SBP
  - 1. Investigate other potential causes of TOD
  - 2. Monitor BP and clinical response to antihypertensive therapy carefully
  - 3. Perform medication withdrawal trial once stable if there is any uncertainty about hypertension diagnosis

### **Amlodipine Besylate**

- Calcium channel blocker
- Potent peripheral arterial dilator
- Dosage: 0.625-1.25 mg/cat PO q24h
- Dosage: 0.125-0.25 mg/kg PO q24h
- Rapid mode of action: reassess in 3-5 days



### • Troubleshooting partially or uncontrollable hypertension with amlodipine:

- Assess compliance
- Review dosage maximum 2.5 mg/cat q24h
- May require additional medications (0%-40% patients):
  - Telmisartan Dosage: 1.0 mg/kg PO q24h
  - Benazepril Dosage: 0.5-1.0 mg/kg PO q24h
  - Atenolol
- Consider possible PHA

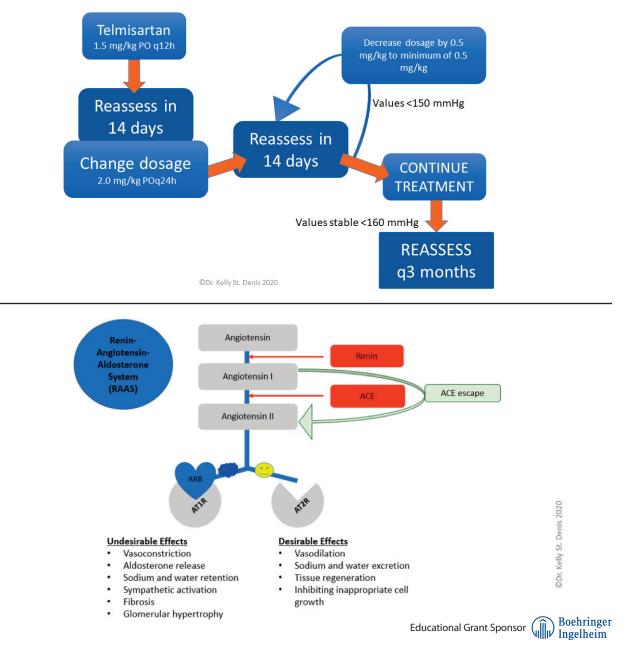


Hypertension Educational Toolkit

# **Treatment** continued

### Telmisartan

- ARB
- In Canada: licensed for the reduction of proteinuria associated with CKD in cats
- In the USA: licensed for the treatment of feline hypertension
- Dosage: 1.5 mg/kg PO q12h 14d then 2.0 mg/kg PO q24h long term
- Reduce dosage in 0.5 mg/kg dose increments to a minimum of 0.5 mg/kg
- Timing for rechecks will vary with the individual patient
- Administered directly into the mouth, or next to or on top of a small amount of food. Do not mix into a full meal in case the patient does not finish the meal





# Hypertension Educational Toolkit

# Treatment continued

## ACE Inhibitors: Benazepril, Enalapril, Ramipril

- Insignificant impact on hypertension and therefore should not be used as primary drug or alone as a treatment for systemic hypertension
- May be beneficial as an adjunct to refractory treatment with amlodipine
- Do not add if patient is dehydrated
- Benazepril Dosage: 0.5-1.0 mg/kg PO q24h

### **ß-Blocker: Atenolol**

- Indicated in some cases with tachycardia or hyperthyroidism
- Dosage: 1.0-2.0 mg/kg PO q12h

### Spironolactone

- Indicated in refractory hypertension secondary to hyperaldosteronism
- Mode of action: Aldosterone antagonist
- Dosage: 1.0-2.0 mg/kg PO q12h

