



Cardiology Service

Entresto® Clinical Trial

Background and Purpose

- Myxomatous mitral valve disease (MMVD) is very common in dogs and can lead to congestive heart failure (fluid in the lungs).
- A novel drug, Entresto®, has shown superior benefit in humans with heart failure.
- Entresto® is beneficial in normal dogs without side effects, but Entresto® has not been studied in dogs with naturally acquired heart disease.
- This study is being conducted to compare Entresto® and placebo in dogs with MMVD. These results may justify the use of Entresto® in dogs suffering from heart disease.

Participation requirements

- Dogs weighing between 8.8-33 lbs. that have a heart murmur consistent with MMVD and heart enlargement on chest x-rays.
- These patients must not be taking any heart or corticosteroid medications (pimobendan is fine).
- Patients previously diagnosed with CHF will be excluded.

Benefits

- \$75.00 examination fee for screening.
- **FREE** heart ultrasound for your dog.
- **FREE** chest x-rays and bloodwork if enrolled.
- **FREE** Entresto® (\$400 in savings).
- All tests are a total of \$550 in savings.
- Results from this study will help us better understand and treat dogs with MMVD.

Procedures

- Heart ultrasound is required for enrollment. Chest x-rays and bloodwork will be performed if enrolled.
- Blood will be collected to measure organ function and a heart protein (NT-proBNP).
- Urine will be collected to measure heart hormone levels (aldosterone).
- Dogs will be randomly placed on Entresto® or placebo capsules.
- After initial evaluation (Day 0), dogs must return on Day 7 and Day 30 for rechecks.

Principle Investigators

Daniel Newhard, DVM
Cardiology Resident

SeungWoo Jung, DVM, MS, PhD, DACVIM (Cardiology)
Faculty Cardiologist

Randolph Winter, DVM, DACVIM (Cardiology)
Faculty Cardiologist

To make an appointment or for further inquiries, call 334-844-4690

or email: dkn0004@auburn.edu

Owner responsibilities

- Bringing your dog to the scheduled rechecks – Day 0, Day 7, and Day 30.
- Collecting urine at home on the morning of each appointment and bringing it with you