

Funded Study: The Dog Aging Project: Test of Rapamycin in Aging Dogs

Study Title: TRIAD (*Test of Rapamycin in Aging Dogs*)

Purpose of Study/Background/Objectives: Rapamycin is an mTOR inhibitor which, at low doses, has been shown to increase lifespan and delay or reverse many age-related disorders in mice. The goal of TRIAD is to assess the effects of the medication rapamycin on health and aging in dogs. This study is designed to test if rapamycin treatment leads to any of the following benefits:

- Better Heart Health
- Improved Mobility
- Prolonged Cognitive Function
- Increased Lifespan

Inclusion Criteria:

- At least 7 years old
- Between 44lbs and 120lbs
- Cooperative during vet visits
- Spayed or Neutered
- Meet specific health and behavioral criteria
- Veterinary electronic medical records must be provided

Exclusion Criteria:

- Diagnosis of certain diseases and chronic conditions (such as cancer, heart disease, autoimmune disease, Cushing's disease, Chronic liver or kidney disease, history of seizures, etc.)
- Most conditions that require chronic medical management are exclusionary, with specific exceptions like allergies or low thyroid function (hypothyroidism)

Eligibility Diagnostics:

- Physical Exam including blood pressure measurement
- Sample Collection (CBC/Chem/Urinalysis)
- Echocardiogram
- Electrocardiogram

Treatment/Protocol:

- Once enrolled, the participant will be prescribed the study medication (which may be rapamycin or a placebo), which is administered by the owner in pill form once a week for one year.
- After one year, the study medication will be discontinued and the participant will enter the observation phase for two years.
- During both phases of the study, the participant will visit the clinical site every six months for recheck physical exam, blood pressure, bloodwork, and specialty exam (echocardiogram / ECG for Cardio Arm or neurological exam for Neuro Arm).
- The owner will also be asked to fill out electronic surveys regarding the health and wellbeing of their participant dog at regular intervals.

Owner Commitments:

- Visit a clinical site every 6 months
- Participate for a total of 3 years
- Give your dog a heartworm preventative
- Keep your dog up-to-date on vaccines
- Administer the study medication weekly
- Complete all surveys and activities

Compensation: No direct compensation. Cost of study visits and study medication is covered by the project. All examination and bloodwork results are provided to the owner and the dog's primary care veterinarian.

Contact Information: triad@dogagingproject.org

Find out if your dog may be eligible here: <https://dogagingproject.org/triad>

