**Title:** Evaluation of the efficacy of ProZinc insulin in newly-diagnosed and insulin established cats

**Investigators:**
Cynthia Ward, VMD, PhD, DACVIM (medicine faculty)

If interested please contact Dr. Ward at 706-542-6380 or email crward@uga.edu. Referring veterinarians may call the small animal referral coordinator at 706-542-5362.

**Study description:**
This aim of this study is to determine the true duration of action of ProZinc\textsuperscript{R}, PZI insulin, in cats. We will also examine the ability of ProZinc\textsuperscript{R} to control postprandial hyperglycemia in cats. A 72-hour glucose curve will be obtained using continuous interstitial glucose monitoring technology. This involves a painless insertion of a sensor into the subcutaneous tissue that will read glucose measurements every 5 minutes. The curves are displayed in real time on cage-front monitors. The cats will need to be in the hospital for 72 hours while the curves are being completed; however, they will be kept in a quiet and low stress environment.

Newly diagnosed diabetic cats not treated with insulin, and cats currently receiving treatment with ProZinc\textsuperscript{R} insulin for at least 2 months will be eligible for enrollment.

**Exclusion criteria:**
- Non-neutered cats
- Current treatment with steroids
- Steroid injection within the past month
- Current ketosis or hyperosmolality
- Concurrent disease

If the cat is determined to be eligible for the study, study funds will pay for the veterinary consultation, 3-day hospitalization, 1 bottle of ProZinc\textsuperscript{R} insulin, insulin syringes, all laboratory work (CBC, chemistry profile, T4, urinalysis), and blood glucose curve analysis. In addition owners will receive $100 gift card for participation in the study.

**Duration of study:**
The study is ongoing and will continue until a total of 24 cats are enrolled.

**Potential benefits to veterinary medicine:**
Information obtained from this study will help determine the best insulin treatment protocol for use in diabetic cats.