



**GINGER, THD, RATS CGCA, CGCU, TKA, FDC**

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**Membership Board Member: Teri Stuber**

**LEKC meets the 4<sup>th</sup> Wednesday of each month**

**@ The Lady Lake Library, W. Guava Street.**

**Board meets 6 p.m. General meeting 7:15 p.m.**

**Website: [www.lekcdogclub.org](http://www.lekcdogclub.org)**

**Updated membership list is available at <http://www.lekcdogclub.org/membership.html>**

HOLIDAY MEETING UPDATES:

## HAPPY THANKSGIVING



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**NOVEMBER MEETING IS THE 28<sup>TH</sup> OF THIS MONTH!**





**DECEMBER MEETING IS THE CLUB'S CHRISTMAS PARTY BEING HELD IN THE COMMUNITY BUILDING BEHIND THE LIBRARY. IF YOU ARE PLANNING TO ATTEND THE PARTY, PLEASE LET CAROLYN KNOW. FOOD IS BEING CATERED AND WE WANT ENOUGH FOOD FOR EVERYONE. CAROLYN'S PHONE NUMBER IS (352) 205-7894.**



**JANUARY MEETING IS THE 16<sup>TH</sup>, 2019**



**Jonathan owned by Ellen Beris did very Well in AKC Rally Advanced. Tied for first on 11/3/18, placed 2nd by fractions in time. Won the class 11/4/18. Both great scores of 99 out of 100!!!. First time off lead.**



**Referee (with his human Sharon Everson) earned his UKC Rally N1 Title 11/11/18 with scores of 90, 97, and 97.**



**Big week and a half for Rowdy AKC LEKC  
trial 11/3 - 11/4 Rally Novice title.  
UKC trial at MADTA 11/10 - 11/11 R01 title  
AKC Scentwork trial 11/13 Container title  
with a 3<sup>rd</sup> place.**

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**You can Quote Me\***

You miss 100% of the shots you don't take. Wayne Gretzky

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The world makes way for a man who knows where he is going. (Ralph Waldo Emerson)

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The achievement of one goal should be the starting point of another. (Alexander Gram Bell)

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Living on Earth is expensive, but it does include a trip around the Sun every day.

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What is the definition of an archaeologist? A person whose career is in ruins.

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Tomatoes grow sweeter with age, but milk goes sour. Live your life like a tomato and don't cry over spilt milk.

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The strongest of all warriors are these two – Time and Patience. (Leo Tolstoy)

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Don't let your dreams be dreams. Yesterday, you said tomorrow. So just do it. Make your dreams come true." (Shia Labouf)

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In seeking the truth you MUST educate yourself in the facts of both sides of the story. (Walter Cronkite)

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If you want to make God laugh, tell him your plans. (Woody Allen)

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Venus, the second planet from the Sun, has a very slow rotation. One of its days equals 243 earth days. Humans will never experience a day on Venus because it's too hot to live there.

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The full name of Rembrandt, the famous Dutch artist of the 1600's, was Rembrandt Harmenszoon van Rijn. He was born in the town of Leiden. His father was a miller and his mother's family were bakers.

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Our fingerprints don't fade from the lives we touch. (Judy Blume)

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Imagination is the highest kite that can fly. (Lauren Bacall)

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## **EARLY WARNING FOR DEADLY CANCER**

Penny Leigh (GSD Review)

Dog trainer Denise Nord could not have been happier as she drove home to Minnesota from an obedience trial in Canada. Her Beagle had won High in Trial with a nearly perfect score, defeating tough competitors of more traditional obedience breeds, like Golden Retrievers and Border Collies.

Back home, Chelsea would be competing in the first AKC agility trial in Minnesota and making her debut in the advanced obedience class of Utility. "She was really just peaking in her performance career," Nord says.

There was just one thing concerning Nord, Chelsea had a urinary tract infection (UTI) that refused to clear up. When she returned to her veterinarian, he expressed alarm that the infection had not improved with antibiotics and sent samples to the University Of Minnesota School Of Veterinary Medicine. Tests ensued, and doctors discovered a tumor in Chelsea's bladder.

"the tumor was in the trigone area of the bladder-the worst place for it to be in terms of longevity because the tumor prohibits the bladder from emptying to some degree (or not at all)," Nord says.

The vet school prescribed the best medication known for bladder cancer, but Nord says it was clear it was not working. The tumor was too advanced. Ten days later, Nord said goodbye to Chelsea, who was only 8 ½ years old.

This sad story, which occurred in the mid- 1990's has been typical for many dogs with bladder cancer. Dogs often have urinary tract symptoms, including frequent urination and straining to urinate, that are shared with other common conditions. This can result in several cycles of

antibiotics, along with repeated urine cultures. By the time a diagnosis is made, the cancer has advanced and spread, limiting successful treatment options.

But today, there is a new way to detect bladder tumors. The CADET<sup>sm</sup> BRAF Mutation Detection Assay is the first early-detection system for the type of bladder cancer known as Canine Transitional Cell Carcinoma/Urothelial Carcinoma (TCC/UC).

The CADET test is easy for owners, who collect urine samples and ship them to a laboratory. The kit even provides shipping containers and labels.

“A single mutation in the canine BRAF gene is present in 85 percent of confirmed TCC/UC cases. The test identifies tumor cells carrying the mutation that are shed into the urine,” says the test’s creator, Dr. Matthew Breen, North Carolina State University Distinguished Professor of Comparative Oncology Genetics and co-founder of Sentinel Biomedical. “The test can detect as few as 10 abnormal cells in a urine sample, which allows the cancer to be detected much earlier than traditional methods, and often several months before the dog has any symptoms.”

TCC/UC is an invasive cancer of the bladder that is typically diagnosed in middle-aged to older dogs, says Marcia Dawson, DVM.

“While it is not one of the most common cancers in dogs, more than 20,000 dogs are estimated to develop TCC each year with approximately 50 percent of cases involving aggressive spread of the disease to other organs,” says Dawson, who is chairwoman of the health Trust fund for Scottish Terrier Club of America.

Scottish Terriers, Beagles, West Highland White Terriers, Wire Fox Terriers, and Shetland Sheepdogs are among the breeds with a high risk for TCC, but any dog can be affected.

“Scotties have the unfortunate distinction of being the ‘poster dog’ for TCC, having an 18-20 fold higher risk. Those of us with Scotties are all too familiar with the typical course of TCC/UC,” Dawson says. “First, the owner notices unusual symptoms in her dog, such as blood in the urine, more accidents in the house, and the Scottie taking a longer time to urinate. The veterinarian will prescribe a course of antibiotics, and for a few weeks the Scottie seems to be fine. But inevitably the symptoms return, and another round of antibiotics, and for a few weeks the Scottie seems to be fine. But inevitably the symptoms return, and another round of antibiotics is prescribed. And again, the symptoms return. Meanwhile, if there is a tumor forming in the bladder of this Scottie, time is the enemy...”

“The lesson for those of us who own high-risk breeds is that we cannot afford the luxury of waiting around to see if another course of antibiotics might work.”

An important weapon in the fight against TCC is early diagnosis, and that is the chance that the CADET test offers. Sentinel Biomedical has teamed with the American Kennel Club to offer the test on a subscription basis. Owners are encouraged to start screening, especially in high-risk breeds, at age 5 to 6.

A CADET BRAF Mutation Detection annual subscription provides a kit that allows three tests to be performed for the same dog over the course of a year. Owners collect urine from their dogs and ship to the Sentinel laboratory once every four months.

The results come back within two weeks, and a report is sent to the dog’s veterinarian. If the BRAF mutation is detected, the owner should schedule an appointment with their veterinarian as soon as possible.

“The miracle of Dr. Breen’s test is that it can detect the presence of the mutation is remarkably few cells shed in urine, long before there are any symptoms of TCC/UC, long before blood is noticed in urine, before the straining to urinate and frequency of urination, and even in some

cases, before anything can be detected on ultrasound. In short, this new CADET test is the gift of time,” Lawson says.

Some national parent clubs of at-risk- breeds assisted with testing and provided feedback on the CADET screening. When the National Beagle Club contacted Nord and asked her to volunteer, she jumped at the chance to fight the dreaded disease.

“I was part of the collection and shipping portion of the trial, looking at the best ways to collect the urine and how the samples handled shipping from Minnesota to North Carolina-in the winter,” Nord says. “I shipped an awful lot of urine samples from three of my dogs for a few weeks.”

Shortly before Nord participated in the BRAF testing, her 16-year-old Beagle, Tory, began leaking urine. Antibiotics were not working.

“Due to my prior experience with TCC, I suspected that was what it was and not at all surprised when Dr. Breen’s lab called to give me the news. They paid for an ultrasound, and the tumor was determined to be on the opposite end of the bladder than Chelsea’s.”

Tory started taking an oral medication. Even though there were surgical options, Nord elected not to explore those due to Tory’s advanced age. Five months later, Nord told Tory goodbye.

But Nord’s younger Beagles will continue to be tested so she can be as proactive as possible in detecting TCC in her dogs.

“I absolutely would recommend this test – a noninvasive way to detect TCC at a very early stage,” she says. Tumor location will be a factor in prognosis but early detection might open up more treatment alternatives for all dogs.

The CADET BRAF Mutation Detection Assay is available in the AKC store ([shope.akc.org](http://shope.akc.org)). Further information is available at [SentinelBiomedical.com](http://SentinelBiomedical.com).

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## **Can You Use Neosporin on Dogs?**

By [Alexandra Anastasio](#)

Sep 21, 2018

Just like their owners, dogs are susceptible to minor injuries and are not immune to getting cuts, scrapes, or burns. But can you use Neosporin® on dogs? The answer isn’t completely straightforward. In some instances, applying the topical, antibiotic ointment can help heal your dog’s wound, but there are situations when it is not advisable or necessary to use it on your canine companion.

Since most people immediately reach for some type of ointment when an incident occurs, it’s not unusual that your first instinct might be to do the same for your dog. But before you go ahead and start applying Neosporin, there are a few things to take into consideration.

With abrasions (scrapes and scratches), you should first clean and flush the wound with soap and water, then rinse thoroughly and pat dry. Your veterinarian should see all puncture or penetrating wounds, including dog bites, as soon as possible.

Neosporin is comprised of three different antibiotics: bacitracin, neomycin, and polymyxin B. Together, they work to kill bacteria on the skin and prevent topical infection. [Dr. Rachel Barrack](#), a licensed veterinarian, certified in both veterinary acupuncture and Chinese herbology with Animal Acupuncture in New York City, points out that Neosporin has been formulated for people and is not necessarily safe for use on dogs.

“Bacitracin has been deemed safe for use on animals, as has polymyxin B. However, neomycin has been linked to loss of hearing,” she says. “This was primarily shown with intravenous use, but it is recommended that you do not administer neomycin topically to your dog without first consulting your vet.”

Because Neosporin is topical and applied directly onto the skin, there’s always a chance that your dog could have an allergic reaction. It’s a good idea to administer a small patch test first. The best way to do this is by picking a small area of skin and applying a tiny dab of Neosporin, then monitor the area to see if your dog develops a mild rash, redness, or hives.

“Typically, small amounts of Neosporin are not harmful,” says [Dr. Danel Grimmert](#), a veterinarian with Sunset Veterinary Clinic in Oklahoma. By performing a patch test in advance, you’ll know for certain whether your dog can tolerate this antibacterial cream before he really needs it.

The advantage of using Neosporin is that it kills off any live, existing bacteria, and stops them from growing. When applied to the skin, it helps to create a physical barrier against bacteria to prevent them from entering the wound and offers protection against infection. But there are some instances in which applying it to your dog might do more harm than good.

If your dog’s wound is located in a spot that’s easily reachable, he might try licking the Neosporin off, which not only defeats the purpose but also might make your pup sick.

“The main concern regarding ingestion of Neosporin is the potential impact to the GI flora (normal gut bacteria), resulting in GI upset such as [vomiting](#) and [diarrhea](#),” explains Dr. Grimmert. “A second potential cause of GI upset would be the lubricant base, which could also give them diarrhea, etc.”

You can try covering the area with a sterile dressing, but Dr. Grimmert points out that not all dogs tolerate bandaging, and the same desire to lick something off their skin will most likely prompt them to chew, as well. “A bandage can act as a tourniquet, reducing adequate blood flow to extremities, if not managed well,” he says. “Great care must be taken to prevent any constriction.”

Other instances when Neosporin would not be beneficial to your dog are if he is bleeding heavily, the wound is deep, or appears to be severe. In these circumstances, it’s important to call your veterinarian or nearest animal hospital immediately for assistance.

While using Neosporin to treat a minor injury to your dog may be fine at times, there are several products that are designed specifically for canines and completely safe, even if ingested.

Whatever type of injury your dog sustains, it’s important to first talk with your veterinarian before administering any new medications, especially if they’re made for humans. “Your veterinarian is better equipped to treat your dog’s potential infections than you are at home,” says Dr. Barrack.