

3rd Quarter 2022
NewfCare:
RESEARCH & RESCUE

YOUR GIFT
THEIR FUTURE



Meet Guinness

In late 2021 this puppy was sold by a producer to an elderly couple via an internet puppy sales site. They were isolating in their home due to COVID and wanted a puppy for a companion. After a few months they decided they could not manage or train a Newf puppy and delivered the puppy to a veterinary clinic with their signed euthanasia order. But the clinic refused to euthanize a young healthy Newfoundland and requested help from a client, a former Newf owner. She agreed to provide foster care and contacted NCA Rescue to place him in a pre-screened adoptive home.

This puppy now has lots of "news" - new owners, new toys, new classes, new name, etc. " He's super smart. He'll be starting doggy day care and official obedience training next week. He's been absolutely spoiled by us, our parents, and some of our coworkers with toys and treats. His favorite toy is probably his lion. He even sleeps with it! We decided on 'Guinness' for his name. ", report his new owners.

Rescue groups everywhere are experiencing a large uptick in surrenders as all of those "COVID puppies" reach adolescence, and the work at home reality of the pandemic is shifted back to a more traditional work model. If you are a rescue volunteer, make sure to make

Charitable Trust Research Update



Grant 02880: Enhanced Surgical Margin Imaging with Polarization-sensitive Optical Coherence Tomography in Canine Soft Tissue Sarcoma and Mammary Tumors
Laura Selmic, BVetMed, MPH, The Ohio State University

Surgery is the most common treatment used for skin and mammary cancer in dogs. Currently, a pathologist determines whether surgery has removed all cancer cells many days after the procedure.

Read The Study Report

Grant 02851-A: Development of Regional Anesthesia Techniques to Treat Chronic Painful Conditions of the Stifle and Elbow in Dogs

Diego Portela, DVM, PhD, University of Florida

This project is focused on developing regional anesthesia techniques (local anesthesia) to block the pain sensation arising from the knee and elbow in dogs. The development of

self-care a priority in your routine. Making time for yourself will help keep compassion fatigue and burnout at bay. If you are a rescue supporter, think about reaching out to a volunteer with a "pat on the back" or a note of support to let them know that you understand and appreciate the stress they are working under.

Your generous support of the NCA National Rescue Network means that we are able to provide financial support for veterinary care and to the hard working volunteers that provide transportation, foster care and adoption placement for Newfoundland Dogs in need, so there is one less worry on the overburdened shoulders of our volunteers.

If you are a rescue volunteer, know that there is support out there for you, and you don't need to "go it alone"

Compassion Fatigue in Animal Welfare

What To Do About Compassion Fatigue

Recognizing and Managing Compassion Fatigue

Coping With Compassion Fatigue

these techniques will focus on treating the pain associated with chronic osteoarthritis (joint pain) in dogs.

Read The Study Report

Grant 02682-A: The Effect of a Modified Approach on Early Weight Bearing in Dogs Following a Tibial Plateau Leveling Osteotomy for Cranial Cruciate Ligament Rupture

Dominique Sawyere Hansford, BVSc, MS, Virginia-Maryland Regional College of Veterinary Medicine

In this study, dogs who undergo a modified approach to a TPLO will be evaluated to determine normalization of gait parameters and thigh circumference as compared to dogs who undergo a standard approach to a TPLO. Results from this study may change the approach to TPLO surgery in the future and provide canine patients with improved short- and long-term outcomes.

Read The Study Report

**Learn more about the NCA
Rescue Program and how
you can help.**

**Learn more about
the NCA
Newfoundland
Health Challenge**

What We've Been Up To...

Advanced planning and sensitive conversations.

Minutes

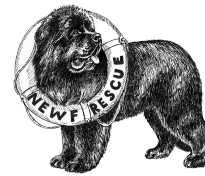
If your Newfoundlands are seen at multi-specialty practices, or you are close to a Veterinary School of Medicine, please consider having a conversation with your vet about the process for donating your dog's cadaver for research if they pass away. Especially if your dog has suffered from a chronic illness or orthopedic problem where research is currently underway.

May 2022

June 2022

July 2022

One of the studies we have highlighted in this issue, Development of Regional Anesthesia Techniques to Treat Chronic Painful Conditions of the Stifle and Elbow in Dogs, may experience delays in reaching Phase 2 of their study because of the difficulty in procuring an adequate number of cadavers.



While none of us like to think about the eventuality of losing a beloved companion, knowing that your dog could make a contribution towards the future health of all dogs is a comfort.



OFA Health Survey



For the third time, the Newfoundland Club of America Charitable Trust, in partnership with The Orthopedic Foundation for Animals (OFA), is conducting a comprehensive health surveys for Newfoundlands. The previous surveys were in 2010 and 2015. The goal of this survey is to get current health data on the Newfoundland since 2016.

The survey will confidentially gather data which will provide a current base of statistics for making decisions to address diseases and other health issues which are occurring in the Newfoundland breed.

The NCA Charitable Trust Management Board (CTMB) is charged with reviewing proposed studies through the Research Advisory Committee and also funding those studies most beneficial to the health of the breed through the Newfoundland Health Challenge.

The future health of our breed depends on early identification of health problems and then funding research in those specific areas. Your input is vital to ensuring that our health and research dollars are spent wisely.

The submitted data for this survey goes directly to an OFA database which processes the information and compiles the statistics for review by any interested party. The data submitted for each dog is assigned a number and is treated confidentially – no names are used.

Over 1,000 dogs have already been submitted. If you have not had time to add your Newfoundlands to the survey, please take a moment now and submit them.

Take The Survey

PROGRESS REPORT



Understanding How Coinfections Impact Urinary Tract Infections

Luke Borst, DVM, PhD, DACVP, North Carolina State University, D21CA-837

RESULTS: Bacterial Coinfections Associated with Worse Outcomes in Dogs with Urinary Tract Infections.

Morris Animal Foundation-funded researchers at North Carolina State University studied the genetic and clinical significance of coinfections of *E. coli* and *Enterococcus* bacteria in dogs with urinary tract infections. UTIs are very common in dogs and frequently caused by these two species of bacteria. In earlier studies, the team found these bacteria work together to survive in harsh environments similar to the urinary system. This led the team to investigate how coinfections with *E. coli* and *Enterococcus* bacteria influences prognosis and treatment of sick dogs.

This study had two arms. In the first arm, the team looked at cultures of both bacteria in the laboratory. They found that the presence of *Enterococcus* sp. enhanced growth of *E. coli* on media that mimicked conditions in the urinary tract. The team also identified genes present in certain *E. coli* strains that helped promote infection.

In the second arm of the study, the team reviewed the records of dogs with urinary tract infections. Data showed coinfections with both bacteria were associated with worse outcomes in dogs with UTIs. Disease recurrence, number of hospital visits, cost of therapy and antibiotic-drug resistance, as well as other factors, increased when both these bacteria were present in the urine of dogs with UTIs compared to when only one of the bacteria was present.

This study provided valuable information on how coinfections with two common bacteria augment infection in dogs with UTIs. Findings will help improve treatment of urinary tract infections and inform the development of new nonantimicrobial-based therapies that are urgently needed given the growing problem of drug-resistant UTI infections in both people and dogs.

PUBLICATIONS PENDING

Escherichia coli and *Enterococcus* spp. in Dogs with Polymicrobial Urinary Tract Infections: A 5-Year Retrospective Study, *Journal of Veterinary Internal Medicine* (accepted)

Canine uropathogenic and avian pathogenic *Escherichia coli* harboring conjugative plasmids exhibit augmented growth and exopolysaccharide production in response to *Enterococcus faecalis*. (in preparation)

Thanks to the generous sponsors of this study!



Subvalvular Aortic Stenosis (SAS)

Assessing an Oral Drug to Reverse SAS in Dogs

What is the purpose?

The purpose of this study is to evaluate whether three times weekly dosing with oral rapamycin can reverse the heart muscle changes associated with subvalvular aortic stenosis (SAS) in dogs. As the current treatment options are limited in this disease, this has the potential to provide further treatment options to improve quantity and quality of life in this disease.

What are you looking for?

If you wish to have your pet participate in this study, your dog must have been diagnosed or suspected of having severe subaortic stenosis (SAS), and must be currently receiving atenolol for treatment. Your dog must also be free of other significant systemic disease or additional significant congenital heart defects.

What would I need to do?

If you want to have your pet take part in this study, you will be responsible for scheduling and keeping all appointments needed for study participation and reporting any possible side effects or toxicities to the study team in a timely manner.



What will happen in this trial?

If your dog can take part in the study, and you choose to enroll them, then the following will happen as part of the study at each of the 3 visits:

- Physical examination
- Echocardiogram
- Blood pressure measurement
- Blood collection and analysis
- Urine collection and analysis
- Electrocardiogram
- Chest X-rays
- Holter monitor placement

The cost of the extensive diagnostics performed at all visits is covered by the clinical trial. This complete cardiac evaluation covers all (and more) recommended diagnostics as part of annual recheck for patients with severe SAS.

Contact us!

jwood@ucdavis.edu

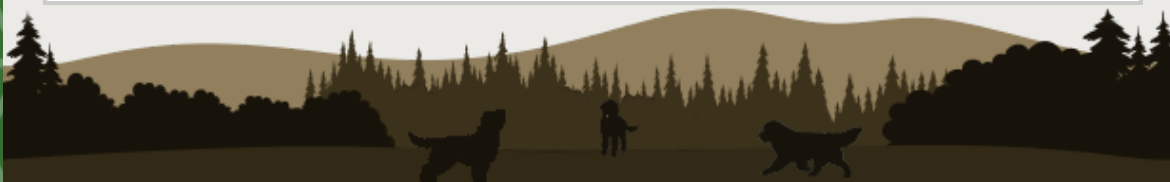
(530) 752-1393

<https://studypages.com/s/980038/>



Planned Giving

The NCA Charitable Trust has many planned giving opportunities, please contact us to learn more - - **Learn More**



NCA Charitable Trust

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