

1st Quarter 2023
NewfCare:
RESEARCH & RESCUE

YOUR GIFT
THEIR FUTURE



Rescue Report: Thor

Thor, a 6.5-year-old Newfoundland, was relinquished in 2022 to Newfoundland Health & Rescue in northern California. He had been living outside suffering from allergies, hair loss around his head, face and neck with lacerations from scratching. He also had sustained a flap tear on his right rear leg which was the most concerning.

Thor was examined by an orthopedic surgeon who determined that Thor had sustained a tear of his Achilles tendon and the superficial digital flexor tendon. The total cost for his surgery and after care was \$8898.43.

Generous donations to the Newfoundland Club of America Charitable Trust Rescue Fund provided a 50% grant for Thor's surgery.

As you can see by the picture above, Thor is thriving and his adoptive family absolutely adores him.



Research News



Heart disease in Newfoundland dogs focus of newly funded Morris Animal Foundation study

A new grant hopes to shed light on the genetics underlying subvalvular aortic stenosis (SAS) in Newfoundland dogs. The study, funded by **Morris Animal Foundation**, will be conducted by a veterinary team at **Michigan State University**.

Led by **Dr. Vilma Yuzbasiyan-Gurkan**, Professor, Microbiology and Molecular Genetics and Small Animal Clinical Sciences and the project's Principal Investigator, the study will employ advanced tools to discover genetic determinants of SAS in Newfoundland dogs. If successful, findings could be used to genetically screen dogs for this disease and inform breeding decisions.

"SAS is a devastating and puzzling disease – devastating for the dogs and their families and puzzling for the geneticists," said Dr. Yuzbasiyan-Gurkan. "We hope our cutting-edge genetics and genomics approaches will provide some clear and useful answers and reveal the genetic basis of this disorder. We appreciate partnering with **Newfoundland Club of America**

Rescue Report: Maverick

Maverick was surrendered to Southeastern Newfoundland Club Rescue (SENC-R) in June, 2022, along with another Newfoundland, due to their owner's inability to properly care for them financially. The TPLO surgery he required to make him a healthy dog was far beyond her means even if she could have afforded their daily care.

SENC-R was committed to Maverick's care that he desperately needed. TPLO surgery on November 21, 2022 totaled \$4,494.48. The NCA Rescue Fund provided a 50% grant to support Maverick's surgery and aftercare.

Maverick is now ready to find that perfect place to call home.

NCA Rescue Fund grants are available to regional Newfoundland clubs to subsidize up to 50% of extraordinary veterinary costs for Newfoundlands surrendered to their Rescue programs. Grant applications are reviewed and approved by the CTMB and funded by the generous donors to the NCA Rescue Fund.

Charitable Trust and Morris Animal Foundation to achieve this goal."

Subvalvular aortic stenosis is a serious, congenital heart disease of dogs. Several breeds have a high incidence of SAS, including Newfoundland dogs. SAS is characterized by the development of abnormal tissue that obstructs the flow of blood from the heart. Dogs with the disease often have shortened lifespans and sometimes succumb to sudden death. Current treatment options are limited to medication to improve quality of life.

"Understanding the genetics of this serious disease could lead to advances in diagnostic tests and help inform breeding decisions, eventually leading to fewer dogs suffering," said Dr. Kathy Tietje, Morris Animal Foundation Vice President, Scientific Operations. "Results from this study could have implications for all dog breeds affected by SAS."

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

**Support Funding
SAS Research
through the Stolen
Heartbeats
Campaign**

What We've Been Up To...

The health of our Newfoundlands today and in the future is a priority for the NCA Charitable Trust. We are investing in the future health with our research funds. As Mahatma Gandhi said, "Good Health is the Ultimate Wealth." Thanks to all of the respondents that completed the recent Newfoundland Health Survey.

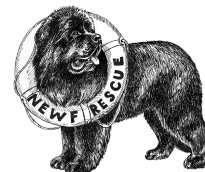
The Research efforts of the Trust and the Research Advisory Committee are definitely prepared for the future as we have teamed up with the Morris Animal Foundation to fund Donor Inspired Studies. Currently, we are funding Research projects on Newfoundland Forelimb Anomaly (Congenital Radial Head Luxation) and Cranial Cruciate Ligament Disease in the Newfoundland. We recently funded a study on a new novel treatment for canine otitis externa. The Trust also funded a study on Musculoskeletal Conditions and

Minutes

November 2022

December 2022

January 2023



Diseases with the AKC Canine Health Foundation. See full report of the Research Advisory Committee.

"When you have a Goal, You have to Do the Work, No Excuses", that statement sums up the work of our dedicated Rescue volunteers.



NCA National Newfoundland Rescue is a large volunteer network that supports rescue efforts throughout the United States. These dedicated volunteers work with Regional Newfoundland Clubs to assist Newfoundlands in need and to work independently with the support of the Trust in areas where Regional Club rescue is not available. Your donations continue to make this important work possible. Costs continue to rise for rescue services and the Trust provides grants to Regional Clubs when needed. What's New for the Trust in 2023?

An **online store for NCA Trust, NCA National Rescue and NCA Health Challenge logo items** just opened so please feel free to shop for your favorite logos. A percentage of the sales goes to the Trust.

Look for an online auction of Newfie collectibles and memorabilia in the near future as we are researching ways to present donated items for auction online. The Silent Auction at the National Specialty in 2023 will be changed to be combined with Rescue and Health Challenge items available daily and a few items maybe bid over the three days, more details coming. **Trust logo items will be available for sale online only.**

The motto of the NCA Trust is simply "Your Gift Their Future"! The NCA Charitable Trust exists and continues to grow with the generous support of our donors. Many donors to the Trust have included the NCA Charitable Trust in their Will and Estate Planning. The generosity of time and resources to support the health and safety of future generations of Newfoundland dogs is an inspiration to us all. I am very proud and honored to have been a part of this journey and looking forward to what lies ahead.

To learn more about the NCA Charitable Trust or to make a donation visit **NCACharities.org** or follow us on Facebook.

*Clyde E Dunphy DVM, NCA Charitable Trust Board
Chairman*

NCA Charitable Trust '22 Health Survey

Why the Health survey is important?

How does the CTMB use the results?

"Health is the Ultimate Wealth" Mahatma Gandhi



The 2022 Newfoundland Health Survey created by Newfoundland Club of America Charitable Trust Management Board (CTMB) and administered by the Orthopedic Foundation for Animals (OFA) has just closed with data collected on 1264 dogs. Before I attempt to answer the above questions, let me first thank each of you for taking the time to enter the health information on your dog(s) in the survey. 75% of the dogs entered were alive at the time of the survey and an even split of males and females.

The purpose of the health survey is to identify areas of health concern and disease in a given population of Newfoundland dogs. If we see an area that is of great concern we can ask why? Then target this area to alert Newfoundland owners and breeders of a potential problem, use education about a disease or health concern to inform owners and use this information to target our research dollars towards the diseases and health concerns that are affecting our dogs.

The results of the 2022 health survey can be found on the OFA website www.OFA.org under Newfoundland dogs and then click surveys. The survey is closed with 1264 dogs entered. The % of dogs affected do not always equal 100% in the categories as not all people respond to all questions, so that needs to be taken into consideration when you are looking at the results. I would encourage each of you reading this article to go to the survey results and spend a few minutes looking at the health issues affecting our dogs.

Some of the highlights of the survey - 88% of respondents reported that the dog showed no signs of aggressive behavior being outgoing, friendly, confident and curious; 67% of owners reported their dog had no significant health problems. While these are good numbers some trends in 2016 surveys are evident the number of respondents indicating their dog as having excellent health dropped from 77% to 67%. Conversely the overall temperament assessment increased from 70% to 88% a significant improvement.

The health conditions identified by percent affected in the survey are as follows:

- 29% (up from 24% in '16) affected by orthopedic problems with hip dysplasia, cruciate disease and elbow dysplasia most common, 6 dogs affected with Forelimb Anomaly (CLRHL)
- 25% (up from 18% in '16) suffered from allergies most often were atopy and food allergies
- 21% (up from 16% in '16) affected by skin disease with the top causes listed as atopy, food allergies and pyoderma.

- 11% (unchanged '16) were affected by some form of cancer or tumor with osteosarcoma, lymphoma and hemangiosarcoma cited most often.
- 13 % (up from 9% in '16) indicated an eye disorder with entropion, Cherry eye and dry eye being most common however, senile and juvenile cataracts were also listed.
- 11% (up from 8% in '16) listed chronic ear infection and otitis externa most often diagnosed.
- 10% (up from 6% in '16) had gastrointestinal disease including diarrhea, pancreatitis and bloat.
- 6% (up from 5 % in '16) had cardiac disease including SAS, dilated cardiomyopathy (DCM) and other misc. heart disease.
- 8% neuromuscular disease with epilepsy, cervical neck pain, disc disease, degenerative myelopathy and 5 dogs listed with myasthenia gravis disease.
- 6% reproductive problems with Pyometra most common.

The CTMB looks at past health surveys to see trends and changes in the most commonly listed disease areas. I recently reviewed the 2001 health survey results and compared it to the recently completed 2022 survey. Some noticeable health changes have occurred in the last 21 years.

- Cancer is increasingly affecting our dogs increasing from 6.7% to 11% of dogs affected
- Hypo-Thyroidism has dropped from 7 % in '01 to 1.8% in '22
- Orthopedic problems continue to plague our breed, however hip dysplasia has decreased by 50%, while cruciate ligament disease has increased from 3.9% to 9.4%
- All cardiac disease is unchanged at 6%, however SAS has decreased from 3.8% to 1.5%
- Bloat decreased from 3.8% to 1.6%
- Allergies, Allergic dermatitis have increased from affecting 11.5 % in '01 to 25% of dogs in '22
- Cystinuria affected 2.6% of dogs in '01 with no reported cases on our survey in '22

The health of our Newfoundlands is constantly changing and the Health Survey helps to guide the CTMB as to where we need to concentrate our research funds. See the Chairman's Report and the Research Advisory Committee Report in the Annual report to see our current research areas of interest. As we strive to improve the research in critical areas affecting Newfoundland dogs please consider a donation to the Newfoundland Health Challenge or one of our GoFundMe campaigns supporting current SAS and Cruciate Disease research.

Clyde Dunphy DVM CTMB Chairman



Their future _____
is in your hands

Support research through the NCA Newfoundland Health Challenge

Support Cruciate Ligament Disease Research at the
University of Wisconsin through our Fund Raisin Campaign

FINAL REPORT



Searching for New Analgesic Targets for Chronic Osteoarthritis Pain
B. Duncan X. Lascelles, BVSc, PhD, MRCVS, North Carolina State University, D19CA-035

RESULTS: Researchers identify target for osteoarthritis pain in dogs Morris Animal Foundation-funded researchers from North Carolina State University wanted to know what drives pain in dogs with osteoarthritis (OA). In the United States, an estimated 20% to 40% of dogs are affected by OA-related pain. This condition also is a leading cause of euthanasia of dogs. The only approved drugs for treatment frequently fall short in managing pain and some

FINAL REPORT



Understanding the Role of Metabolism in Bone Cancer
Cheryl London, DVM PhD, Tufts University, D19CA-083

RESULTS: Researchers show how two proteins are involved in cancer spread. Morris Animal Foundation-funded researchers at Tufts University investigated the role of two proteins in the regulation of cancer cell metabolism. Cancer cells have high energy needs and take advantage of the available nutrients and oxygen in their environment to help maintain their high metabolic rate. They do this by using glucose (sugar) for

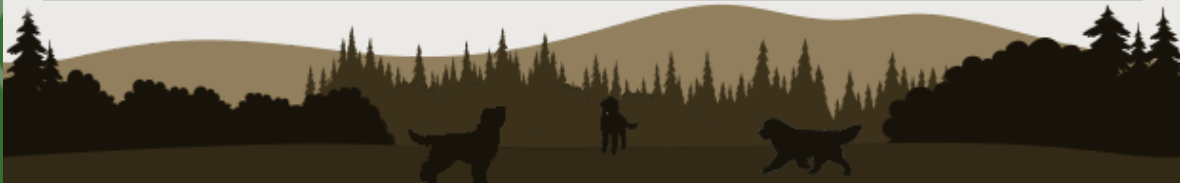
have devastating side effects. [READ MORE](#)

energy, a process which generates lactic acid, a situation similar to intense exercise. [READ MORE](#)



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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