



SCWTCA Endowment Inc. Established 2001

SCWTCA Health Education Committee



The Endowment had its origins in the 1995 establishment of the SCWTCA Health Fund. By 2001, the decision was made to create a separate non-profit which was incorporated in 2004 as the SCWTCA Endowment, Inc. The Endowment gained 501(c)3 status effective in 2004.

We celebrate 20 Years of dedication to funding health research focused on issues that affect the health and well-being of Soft Coated Wheaten Terriers worldwide.

www.wheatenhealthendowment.org www.scwtca.org www.scwtodb.org

2021 Research Update

Due to the COVID19 outbreak, changes in protocols and closings at most of the universities across the country added delays for many of our projects. Many universities just re-opened their labs this fall. Please be patient with our researchers. Everyone is doing the best they can.

Microphthalmia DNA Test

A case of Microphthalmia in a breeding program was reported in the United States in 2021. Affected puppies may suffer from very small eyes or anatomical defects such as a third eyelid, this may or may not result in blindness. If you have had a case of Microphthalmia in your breeding program we would appreciate your entering it into the database. The database has test results on 177 Wheaten Terriers of which 14 were listed as carriers. **Please enter the DNA results on your Wheaten today.**

RBP4 defect leads to vitamin A deficiency -- a known risk factor for eye diseases

In a study at the University of Helsinki, analysis revealed a deletion mutation in the RBP4 gene. The encoded protein (RBP) binds vitamin A and transfers it from liver to other tissues. Vitamin A transport is essential during the pregnancy, as the lack of this nutrient causes abnormal eye development. During pregnancy, the fetus receives vitamin A through the placenta.

"The mutation changes RBP structure, so that the protein is secreted abnormally from liver and does not function. This greatly reduces RBP and vitamin A levels in bloodstream," says Professor Tom Glaser from UC Davis, a co-corresponding author of the study.

Unprecedented mode of maternal inheritance

The study demonstrates a novel recessive mode of genetic inheritance, which has not been described before. The researchers discovered that the dam's genotype determines the puppy's disease risk as both the dam and puppy must be homozygous for the mutation to manifest the disease.

Interestingly, the disease is apparent only when both the puppy and mother are homozygous for the RBP4 mutation. Normally, recessive diseases in mammals depend only on the individual's genetic make-up.

New genetic test for breeding and diagnostics

As a part of the research, a DNA test has been developed for veterinary diagnosis and breeding purposes. DNA testing is important for breeders to avoid producing more blind dogs at most labs. The test can identify carriers and allow better breeding plans. Veterinarians can also use the test for differential diagnosis and to confirm the genetic basis of a suspected condition.

University of Helsinki. "Blame the mother's gene: Discovery for a blinding canine eye disease: Discovery for a blinding canine eye disease reveals an unprecedented mode of inheritance." *ScienceDaily*. *ScienceDaily*, 29 May 2018.

Red Hat Challenge Fund

In May of 2021 the Endowment and SCWT Genetic Research Foundation (GRF) created the Red Hat Challenge Fund. Proceeds will aid with the funding of the SCWT Database and continue to bring attention and fund projects dedicated to SCWT genetic research.

This fund has been created to honor Jackie Gottlieb and the late Carol Carlson, whose dedication and commitment to the betterment and health of the SCWT helped create the two research funding organizations. For decades Jackie and Carol collaborated in numerous fundraising and research efforts on behalf of Wheatens. At the same time Jackie led the GRF, Carol led the Endowment.

The GRF donated the initial \$10,000 gift and is matching up to \$15,000 of additional donations by October 2022.. In August of 2021 we met the goal of \$15,000 in donations. The Red Hat Fund will be available to donate to until October 2022 without matching funds. **We are also very appreciative of the GRF for this great fundraising idea and for their dedication and support of the health and genetic research of the Wheaten Terrier.**

Degenerative Myelopathy Statistics Update - University of Missouri

Thru 9/24/2021:

Tested 572 SCWT here at Mizzou –

226 sent directly to our lab, mostly by
vets and neurologists,

346 via OFA orders. Of these,

210 tested NORMAL,

180 tested CARRIER,

182 tested AFFECTED/AT RISK, for
an allele frequency of 47%.

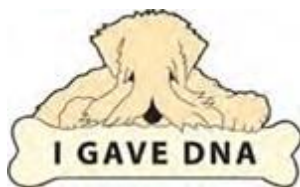
This may be somewhat skewed, as the
dogs being tested are likely to be
either showing clinical signs, or related
to dogs showing clinical signs, but this
is a high enough prevalence that it
would be wise to take it seriously, and
work towards reducing risk. Liz
Hansen, Univ Missouri Genetics Lab

If you have DM DNA test results or if
your Wheaten was diagnosed with DM
we ask that you submit the diagnosis
or results to the SCWT Health
Database.

Limited Frozen Semen:

The Health Education Committee
wants to remind members that the
COE states that all dogs must have
the PLN Variant Gene Test performed
prior to a breeding. This presents a
dilemma to breeders with limited
frozen semen. Best breeding practice
is to only breed a deceased dog with
limited semen and no DNA PLN Test
results to a bitch with no markers.

The Health Education Committee has
been informed that some breeders
have been able to conduct the DNA
test with what small remaining semen
is left in the test tube. Contact Paula
Henthorn at PennGen for more
information.



2021 Projects Funded

Clinical Evaluation of Propranolol in Combination with Doxorubicin for the Treatment of Hemangiosarcoma –

Hemangiosarcoma is a type of cancer that
is difficult to treat because of its aggressive
behavior and rapid progression after
diagnosis. We have shown that a drug
commonly used to treat heart disease,
propranolol, can kill hemangiosarcoma
cells in the laboratory. The drug has also
been effective in reducing disease
progression and increasing the survival
time in people with angiosarcoma, a
cancer very similar to canine
hemangiosarcoma. We will study the
tolerability and clinical benefit of
propranolol in combination with
doxorubicin chemotherapy. Propranolol
will be tested at three dose levels: 0.8
mg/kg, 1.0 mg/kg, and 1.3 mg/kg. Each
of these doses is thought to be in the effective
range for propranolol. The study will also
determine if higher doses work more
effectively with chemotherapy. Your dog
will start at one of these doses and may be
increased to the higher doses depending
upon how your dog tolerates propranolol.
We will also study the pharmacokinetics
(PK) of propranolol in the blood to
determine if there is a correlation between
blood PK and effectiveness of the
treatment. Results of this study will be
shared with the veterinary community and
pet owners. Results will provide new
information so that we can continue to
improve upon treatments for this disease.
*Funded by SCWTCA Endowment Inc &
SCWTCA AKC CHF DAF Fund*

Neuronal and Muscle Pathology in Canine Degenerative Myelopathy to Identify Targets for Therapeutic Intervention

The purpose of this study is to study the
disease progression of degenerative
myelopathy in dogs. We will further
characterize the disease features in the
central (spinal cord and brain) and
peripheral nervous systems. DNA will be
banked and pedigree data collected from
affected dogs and family members while
maintaining anonymity so that it will be
available for future gene mapping studies.

Participation: Dogs with a presumptive
diagnosis of DM as established by
conventional diagnostic evaluations
(myelography/special imaging (MRI) of
the spine at MY Veterinary Health Center
or another referral hospital will be

considered for this study. Our dog's
participation in this study will consist of
a necropsy examination. Learn more at:
<https://www.akcchf.org/research/participate-in-research/02658-Informed-Client-Consent.pdf>

*Funded by SCWTCA Endowment Inc &
SCWTCA AKC CHF DAF Fund*

Emma Weeks, PhD, University of Florida

Identifying the Disease-Defining Autoantibodies in Canine Addison's Disease

*Steven Friedenber, DVM, PhD, University of
Minnesota*

Addison's disease is a common and life-
threatening disorder in dogs in which
the body's immune system destroys the
outer layer of the adrenal glands. The
adrenal glands produce hormones that
are critical for energy metabolism,
immune system function, intestinal
health, and kidney function. Symptoms
of Addison's disease can mimic other
conditions, and as a result, many dogs
remain undiagnosed for years. About
one-third of dogs with Addison's disease
are diagnosed only after suffering an
acute adrenal crisis, which can cause a
wide range of complications that require
emergency stabilization and
hospitalization. Today, there is no way to
predict which dogs will develop
Addison's disease before they become
sick. If such a test were available,
veterinarians would be able to evaluate
high-risk dogs before they show signs,
helping to prevent disease-related
complications and potentially enabling
earlier treatment. In this study, the
investigator will use a novel approach
combining gene and protein sequencing
to identify the antibodies that target the
adrenal glands in Standard Poodles,
Portuguese Water Dogs, and English
Cocker Spaniels with Addison's disease.
These antibodies are produced by the
immune system before the onset of
clinical signs. The ability to identify these
antibodies would therefore provide a test
for early diagnosis. This research will
contribute to progress in developing an
important clinical test for Addison's
disease that can help improve the lives of
the many dogs at high risk of developing
this life-threatening condition.

*Funded by SCWTCA Endowment Inc &
SCWTCA AKC CHF DAF Fund*

PROGRESS REPORTS & Updates

Your Dog's DNA Samples Are Safe At Penn

2015 Freezer Storage:

University of Pennsylvania, School of Veterinary Medicine Trustees of the Univ. of PA School of Veterinary Medicine (Endowment purchase of a new freezer to store SCWT DNA samples \$9,142 Funded by SCWTCA Endowment Inc.

During COVID we all learned about the importance of the proper freezer to store vaccines. Well the same goes for DNA samples. From 1986 until present we have collected thousands of Wheaten Terrier DNA samples. To ensure that these samples were stored at the proper temperature, the Endowment purchased a freezer for our DNA samples. That freezer is at the University of Pennsylvania School of Veterinary Medicine DNA Lab. Even though the lab was closed during COVID, Dr Henthorn made multiple trips in to the lab to ensure that the freezers were working properly. We thank her for her efforts.

Urine Protein Creatinine Ratio – What is Normal?

In her November webinar on PLN and Kidney Disease Dr. Littman stated:

Normal UPC is less than 0.2.

0.2-0.5 is borderline

Over 0.5 is proteinuria.

Wheaten Calendars:

The Endowment received 15 SCWT calendars from SCWTCA at a reduced price. We sent every major researcher at a Veterinary University a calendar and a letter introducing us to them. The calendars will serve as a reminder that we support health and research and are available should they need a breed to work with. Thanks to SCWTCA and our donors.

Coat Information:

We have added the option of coat type to the database. Please go back and enter whether your wheaten is Irish coated or not into the database or just fill out the form below.

Degenerative Myelopathy DNA Testing - Recommendation University of Missouri

Liz Hansen, University of Missouri College of Veterinary Medicine Genetics Lab

"We do have numerous samples from Wheatens, sent for DNA testing by neurologists or veterinarians, showing classic DM clinical signs, and testing AFFECTED/AT RISK. This condition really does clinically manifest in your breed. The clinical signs of DM don't appear until a dog is 8yrs old and older (and without statistically proving it, my impression from looking at data coming thru each week is that the terrier breeds with DM tend to develop signs a little later than some other breeds), so there will be dogs with the genetic profile putting them at risk for DM who die from other causes before showing the clinical signs of DM - that doesn't mean that they were not going to get DM, it only means they did not live long enough to develop clinical signs. Wheatens have had a major issue with the PLE/PLN problem, and most of those dogs tend to get sick, sometimes pass, before you'd expect to see DM develop, which I suspect has hidden the incidence of the mutation for DM in your breed. As you work past PLE/PLN, it would be sad to then face losing the dogs from DM.

Our recommendation is to test, know what you're working with, and work towards reducing risk of DM. Disease that kills them younger should have a higher priority, of course, but it would be wise to gradually work away from DM risk as well. Trying to get rid of it in one or two generations will badly bottleneck the gene pool, and is not wise - but ignoring it is not wise either". Liz Hansen

Silver Star of Transparency

We are proud to have earned a non-profit silver seal of transparency from the Guidestar Network for 2019, 2020 and 2021 and bronze seal in 2018.

Free DNA Cheek Swabs

The Endowment offers free cheek swabs to owners who wish to DNA test their dogs. We are happy to provide these free swabs to you. You may obtain your free swabs by following the procedures listed on our website.

Degenerative Myelopathy Research – Elaine Azerolo, Wavelengths 7/2021

Two Degenerative Myelopathy studies are in progress at the University of Missouri. Dr. Gary Johnson and Dr. Joan Coates are researching factors such as breed and age which may affect risk of developing Degenerative Myelopathy (DM) in dogs who are genetically at-risk (homozygous for the variant allele). (AKC-CHF Grant 02800) In a second study, Dr. Coates is researching early biochemical and structural changes to the nervous system, muscles and nerves in dogs with DM as a step toward developing treatment or preventing DM. (Grant 02858)

The Degenerative Myelopathy DNA test costs \$65.00 at University of Missouri which includes the test kit and listing results in the OFA database. DNA test results from other laboratories may be registered at OFA for a \$15 fee using the "Application for DNA Breed Genetics Database". There are discounted fees for multiple dogs or multiple DNA tests.

Wheaten DNA Bank - Canine Phenome Project

Randomly selected samples from the Wheaten DNA Bank were used in developing the DNA tests for Degenerative Myelopathy (DM), and for Paroxysmal Dyskinesia (PXD). There are over 1100 Wheaten samples collected as part of the Canine Phenome Project stored in the DNA bank at the University of Missouri.

Wanted

Old & New Show Photos Old & New Vet Records Pet Photos & Performance Photos

Those old show photos you have stored in the garage? Are they in files no one looks at? Send them to us. We will scan them and send them back to you or store them. Those old vet records you can't seem to throw out? They are valuable! Send them to us and we will attach them to your dog's record. Researchers and veterinary students do research all the time on the simplest or complex issues. No diagnosis is insignificant.

Make it Your New Year's Resolution!

Mail Old & New Show Photos to: Kathleen McIndoe

3005 E Angela Dr Phoenix, AZ 85032
Paisleyspring@q.com

PROGRESS REPORTS & UPDATES, CONTINUED

NIH SCWT Lifetime Study Update:

2008: The Lifetime Study of the Soft Coated Wheaten Terrier embarked on a ten-year effort following the life events and health status of approximately 200 Wheaten Terriers. We will use the health information provided from these dogs to determine the incidence of disease within the breed and calculate the inheritance of each. Those diseases or conditions that are found to have a strong inherited component will be analyzed further to find the regions of genome associated with the disease or condition.

By starting with a group of young dogs from all parts of the country, we did not prejudice our study toward a single disease and instead we will be able to identify multiple diseases or conditions that may be troubling the population. We will also be able to provide a better estimate of the true extent of the diseases within the breed and possibly identify environmental components that may be affecting susceptibility. We will also be identifying control dogs at the same time as affected dogs making the move to mapping much more efficient. By working with a full population-based set, we will be able to reuse genetic data for each successive study enabling us to map many more traits from a single sample set rather than starting anew for each study.

New NIH Survey: A new survey for participants will be emailed out shortly. There will be notices when the survey is live. If your dog has passed on it is important for you to complete the survey. Please watch for the survey and inform any owners from your breeding programs that participated to watch for the survey. If you or your owners have changed email addresses NIH must be informed. Visit their website at: https://research.nhgri.nih.gov/dog_genome/study_descriptions/study-wheaton_terrier.shtml

Clear By Parentage Designation:

“OFA will only allow clear by parentage for one generation, due to the possibility of new mutations or as yet undiscovered gene mutations.”
OFA

We asked Meryl Littman VMD, DACVIM for her thoughts on Clear By Parentage: “Accidents can happen with unknown breeding due to the ‘travelling salesmen’ effect in the yard when you aren’t watching, and it has been proven that litters can have more than one father involved (!), so that is why we can’t be sure that the parentage (on the stud’s/sire’s side) are always who we think they are. Sometimes the surprise stud has even been another owned dog in the house that the owner thought was too young to be able to breed but they did the trick! I know Paula (and also the AKC) have found false pedigrees in other breeds on several important occasions, so Paula has said that the only way to really know a puppy’s genotype is to test it. Take care. – Meryl”

Database Policy: The SCWT Database has adopted a policy that we will allow one clear by parentage for one generation. This policy will mirror that of the Orthopedic Foundation for Animals (“OFA”), one of the largest canine health databases in the world, and also the policy set forth in the SCWTCA Code of Ethics.”

Antech IBD Assay Test

Vomiting, diarrhea, and other gastrointestinal signs are among the most common reasons for a dog to require a visit to the veterinarian. Ascertaining the cause of these signs is often a time-consuming task for clinicians and a frustrating and expensive process for pet owners, especially in the case of a complex condition like chronic enteropathy (commonly referred to as inflammatory bowel disease).

simple and affordable blood test that makes diagnosing and managing this condition easier than ever before. An owner can request this at their vet’s office.

This novel assay provides information that is useful for diagnosis, treatment and monitoring:

A panel of three gastrointestinal biomarkers helps determine if a dog with chronic gastrointestinal (GI) signs is likely to have chronic enteropathy.

Results are actionable when interpreted alongside other routine diagnostics (refer to the [Antech Canine GI Diagnostic Algorithm](#) for more information).

The veterinarian will give direction on whether or not additional diagnostics should be performed. They will consider which therapeutic diet to select for a dietary trial.

If a Wheaten shows signs of digestive issues this test should be added to the recommended annual health testing.

Telmisartan: In 2020 we reported that we were seeing great results in Wheatens diagnosed with PLN who were prescribed a drug called Telmisartan. We would like dogs that are on the drug to enter it in the database as it is very important to the genetic research we are funding. Here is an example of how one Wheaten improved once she was prescribed the medication.

Meet 8 Yr Old SCWT 10 mg Telmisartan started 4/21		
	4/2021	11/2021
SDMA	29H	16
Creatinine	2.3 H	1.0
BUN	65 H	14
Total Protein	5.0 L	5.5
Albumin	2.1 L	2.7
Cholesterol	548 H	339
UPC	2.9 H	0.2

Antech IBD Assay Test now offers a

PROGRESS REPORTS & UPDATES, CONTINUED

Shamrock Wheatens

If your Wheaten has participated in a research study it is given a shamrock on their SCWT Database page to honor their contribution to the breed. If you have a dog that participated in the Open Registry, a research project or was one of the first dogs tested for the PLN Variant Gene be sure to let us know.



What is this PLN Variant Gene test about?

In 2012 researchers at the University of Pennsylvania identified two “variant genes” associated with an increased risk of developing PLN and developed a cheek swab test to determine if a dog has 0, 1 or 2 of these genes.

Dogs with no copies of the gene (aka “0” or “homozygous negative”) have an exceedingly low chance of getting PLN. Remember that other diseases can cause PLN.

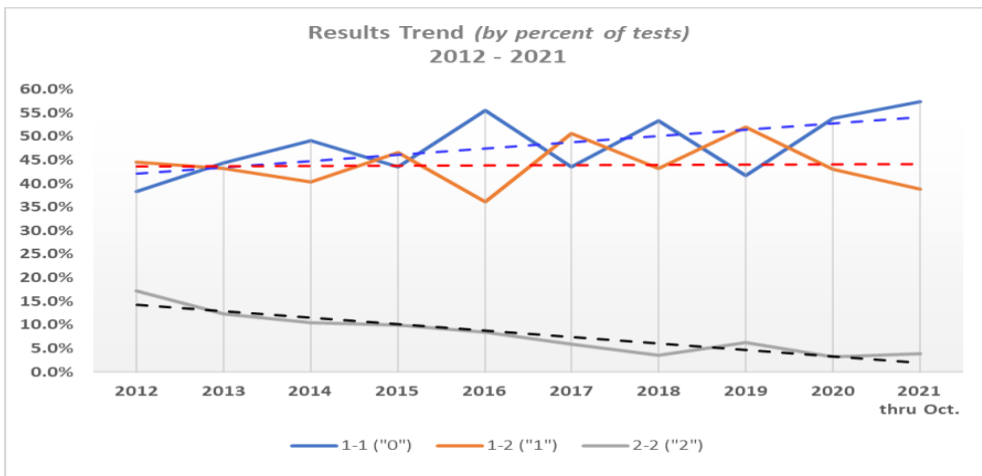
Dogs with 2 copies of the gene (aka “2” or “homozygous positive”) are at the highest risk of developing PLN. This doesn’t mean the dog will get sick. In the research leading to this test, 16 of the 145 wheaten “2s” lived into their teens (over 13 years of age) with no sign of the disease.

Dogs with 1 copy of the gene (aka “1” or “heterozygous”) are at intermediate risk.

The following statistics are from the University of Pennsylvania School of Veterinary Medicine through 10/31/2021:

University of Pennsylvania School of Veterinary Medicine DNA - Number of Tests													
Year	PLN 1-1	PLN 1-2	PLN 2-2	PLN tests	MO 1-1	MO 1-2	MO 2-2	MO tests	DM 1-1	DM 1-2	DM 2-2	DM tests	
2012/no litters	487	562	220	1269									
2012/all	507	591	227	1325									
2013	264	257	73	594									
2014	261	214	56	531									
2015	224	239	51	514									
2016	205	133	31	369									
2017	179	208	24	411									
2018	221	179	15	415									
2019	101	126	15	242									
2020	119	95	7	221	60	17	0	77	50	34	13	97	
2021	105	71	7	183	99	26	2	127	58	29	11	98	

Percent of Tests									
Year	PLN 1-1	PLN 1-2	PLN 2-2	MO 1-1	MO 1-2	MO 2-2	DM 1-1	DM 1-2	DM 2-2
2012/no litters	38.4%	44.3%	17.3%						
2012/all	38.3%	44.6%	17.1%						
2013	44.4%	43.3%	12.3%						
2014	49.2%	40.3%	10.5%						
2015	43.6%	46.5%	9.9%						
2016	55.6%	36.0%	8.4%						
2017	43.6%	50.6%	5.8%						
2018	53.3%	43.1%	3.6%						
2019	41.7%	52.1%	6.2%						
2020	53.8%	43.0%	3.2%	77.9%	22.1%	0.0%	51.5%	35.1%	13.4%
2021	57.4%	38.8%	3.8%	78.0%	20.5%	1.6%	59.2%	29.6%	11.2%



- Dotted lines show the trend for each result over time.
- Note that these results are only from testing done at Penn and do not include results from other labs.
- Basically, the test has done what we've hoped for. The 2's have declined steadily over the last 10 years and the 0s' have increased and it was all gradual.

**Beginning in October 2015, Penn will be reporting results
using the terms in the shaded column.**

	Definition	Test Results from Penn	Other Common Terms
Homozygous Negative	A dog <u>without any</u> of the variant alleles	1/1	<ul style="list-style-type: none"> • 0 • 0,0 • No copies <ul style="list-style-type: none"> • "Normal" • "Clear"
Heterozygote	A dog <u>with one copy</u> of the variant alleles	1/2	<ul style="list-style-type: none"> • 1 • 0,1 <ul style="list-style-type: none"> • "Carrier" • 1 copy
Homozygous Positive	A dog <u>with two copies</u> of the variant alleles	2/2	<ul style="list-style-type: none"> • 2 • 1,1 <ul style="list-style-type: none"> • 2 or both copies

SCWTCA Researchers Updated Soft Coated Wheaten Terrier Annual Testing For Healthy Dogs:

Every year, beginning at age 1, a Wheatens annual check-up should include blood and urine testing. The test results can uncover early indications of diseases found in Wheatens, such as protein-losing nephropathy (PLN), protein-losing enteropathy (PLE), renal dysplasia or juvenile renal disease (RD or JRD), and Addison's disease. Other potential problems that might otherwise go undiagnosed might also be discovered.

Suggested Annual Testing includes:

- **Biochemical Profile, aka Chem Screen** – includes total protein, albumin, globulin, creatinine, blood urea nitrogen (BUN), SDMA, cholesterol, sodium, potassium, phosphorus, etc.
- **Complete Blood Count (CBC)**
- **Urinalysis** – including specific gravity, dipstick, and urinary sediment
- **Urine Protein/Creatinine Ratio (UPC) or a Microalbuminuria (MA) test.** These are add-on tests to the urinalysis and need to be requested.
- In tick or heartworm endemic areas, a SNA P-4DxPlus or AccuPlex4 test.
- If you are concerned about finicky appetite, gulpies, occasional gastrointestinal signs, inflammatory bowel disease (IBD) or PLE in the dog or its relatives, ask your vet about additional testing such as fecal examinations, the Antech CE-IBD Assay test, the TAMU GI panel-plus (B12/folate/TLI/PLI with resting cortisol added), and the TAMU Alpha1-proteinase inhibitor (A1-PI) fecal test. Visit the Wheaten Health Endowment to obtain a test kit for the Alpha 1-proteinase inhibitor fecal test.
- **Blood Pressure Measurement (BPM):** Ideally, the vet will obtain the dog's BPM during each healthy visit (starting at 1 year of age), in order to get a baseline and to get the dog used to having the procedure done.

******* The PLN Variant Gene DNA Test is Recommended for All Wheaten Terriers: *******

It is recommended that each Wheaten Terrier dog have its DNA sample tested for the PLN-associated variant alleles. The results will determine what risk group (low, intermediate, or high) the dog is in for developing PLN during its lifetime. The DNA test is available in the USA at PennGen (PennVet, where it was developed), Optical Selection (Mars), Embarkvet (Cornell), and in Europe at Laboklin. See <https://scwtca.org/health/health-testing/dna-testing/>. There are no genetic tests yet for PLE, IBD, RD/JRD, or Addison's disease. Dogs that are carrying one or two copies of the PLN-associated variant alleles should be checked for proteinuria more often, perhaps 2-4 times a year, especially after age 3 year.

Updated 11/2021

Wheaten Webinars & Surveys

In the spirit of our mission to preserve, protect and advance the breed, SCWTCA began a series of webinars in 2021 to educate breeders and owners worldwide. For the first time ever education was brought to the breeder, owner & veterinarians. Webinars are archived and can be viewed as a recording at www.scwtca.org. SCWTCA Endowment Inc. supports SCWTCA's mission and has funded a number of these webinars.

Have a topic or an idea? Please email health@scwtca.org

All Webinars are recorded and stored on www.scwtca.org under Education.

Coat Color Genetics In Wheatens

Presenter: Neil, O'Sullivan PhD

The first in the series, Coat Color Genetics in Wheatens was presented by longtime breeder and noted geneticist Dr. Neil O'Sullivan.

Exploring the SCWT Database

Presenter: Anna Marzolino & Neil, O'Sullivan PhD

The SCWT Health and Pedigree Database

An easy to use resource with data about Soft Coated Wheaten Terriers throughout the world and reporting tools useful to owners, breeders and health researchers.

Dawn of DNA Testing

Presenter: Neil O'Sullivan, PhD

Dawning of the age of DNA testing...where to test, what does it mean, and adding information to the SCWT Database.

On the Horizon:

We have been contacted by a researcher interested in using Wheatens in a study to develop a test to detect PLE. We will need SCWT's that have PLE in the study, so please update the database to ensure we can find you when the times comes.

Gulpies, IBD & Food Allergies

Presenter: Meryl P. Littman, VMD, DACVIM, Retired Professor University of Pennsylvania School of Veterinary Medicine

Understanding the digestive issues in the Soft Coated Wheaten Terrier. Includes health testing, food sensitivity, PLE, IBD, and current available medications. No one

understands the SCWT as well as Dr. Littman. Her dedication and lifetime research in the breed led to the discovered of the PLN Variant Marker at the University of Pennsylvania.

CHIC, Genetic Tests & Summertime Thoughts

Presenters: Susan Ratliffe, Beth Sorenson, Elaine Azerolo, Cyndi Stokvis & Neil O'Sullivan, PhD.

An overview of CHIC and the genetic tests now available for breeders to purchase.

Microphthalmia

Presenter: Gustavo Aguirre, VMD PhD PhD (hc), American College of Veterinary Ophthalmology, University of Pennsylvania School of Veterinary Medicine.

Inherited Eye Disease In The SCWT

Temperament & Rage Syndrome

Presenter: Karen Overall, MA VMD PhD DACVB; Editor in Chief Journal of Veterinary Behavior: Clinical Applications and Research.

A presentation on anxiety and temperament issues in dogs including training and medication options.

Ectopic Ureters/Urogenital Disorders in Wheatens

Presenter: Julie Byron, DVM MS DACVIM; Professor, Clinical Small Animal Internal Medicine, Ohio State University-College of Veterinary Medicine

An overview of incontinence and urogenital disorders in the SCWT.

Planned Donors – Naming SCWTCA Endowment as a Beneficiary:

Want to leave a portion of your estate as a gift to the Endowment? Find out how to name us as a beneficiary in this guide by Trust & Will.

<https://trustandwill.com/learn/charity-as-a-beneficiary>

Best Practices for Managing The Stud Dog

Presenter: Erin E. Runcan DVM DACT The Ohio State University College of Veterinary Medicine

Surveys:

In 2021 SCWTCA Endowment Inc. purchased a survey program for both SCWTCA and the Endowment to

utilize. Health Surveys were as follows:

The Gulpies and Digestive Issues In Wheatens:

Participants: 1,204 Responses 367 Complete

Information will be sent to Katie Tolbert, DVM of Texas A & M University School of Veterinary Medicine. Use of this survey will identify dogs to be used in upcoming studies of early diagnostic testing of PLE.

Ectopic Ureter & Incontinence Survey

Participants: 73 Responses 48 Completed

The SCWTCA Health Committee will be using this information to move forward with education on the Urogenital issues in the breed.

Data Input Sheets Enclosed:

SCWTCA Members may have an attached list of their dogs in the database. We hope you will use the data input sheet to fill in missing information on your dogs. We know you might not have information of some of them but appreciate any help you can give us.

Database Statistics
November 2021



Number of Wheatens:

82,730

Number of Litters:

23,923

Cert/Test Records:

16,481

Health Records: 1,681

PLN Gene Tests: 914

Microphthalmia: 177



SCWTCA Endowment Inc.

WINTER 2021



SCWTCA Endowment Inc. relies on donors like you to support and fund research to improve the quality of life and health of our Wheaten Terriers. Your tax-deductible donation, in any amount, is always greatly appreciated. In addition to personal donations, a donation may be made in memory or honor of a friend or loved one, whether human or canine. Donors' names will be kept anonymous upon request.

Enclosed is my donation, in the amount of \$ _____

Please check one of the following:

_____ Enclosed is my check payable to SCWTCA Endowment Inc.

DONATE ONLINE at www.wheatenhealthendowment.org

Name _____

Address: _____

City: _____ State: _____ Zip: _____ Telephone: _____

Email address: _____ Join our email list and we will keep you up to date on Wheaten Endowment News.

Donor should be listed as: (your name) _____

Donation is: In memory of In honor of breeder New Title Happy Birthday to Thank You to Red Hat Fund Other

Please notify the following person(s) of my gift:

Name: _____

Address _____

City: _____ State _____ Zip _____

Toni Vincent, Treasurer. SCWTCA Endowment, Inc. 3825 132nd Ave. NE, Bellevue, WA 98005 - tonivincent@aol.com

Recognized under IRS 501(c) 3 Tax Status — Donations to the Endowment are tax-deductible

MATCHING GIFTS PROGRAM

Make a Greater Impact with a Matching Donation from Your Company to the Endowment



SCWTCA ENDOWMENT INC THANKS

Our donors
SCWTCA Members
Database Participants
Our Researchers
SCWTCA Board of Directors & Health Committee

To those who have done special projects or donated items of value:

Helen Moreland, Jeri Voyles, Helen Fraguela, Sally Sotirovich, Robyn Alexander, Pam Mandeville, Wendy Beers, DVM, Meryl Littman VMD, DACVIM Lori Fernandez, Leslie DiMattia, Jeanne Ferris, Bonnie Ivler, Carl McGill, Nancy Draper, Emily Holden, Gay Dunlap, Art Miller, Molly O'Connell, San Jeffries, Dana Barton, Catherine Perron, Neil O'Sullivan, PhD, Willie & Wendy Rueda, Ilona Shur, Roxanna Springer, Betsy Geertson, Cindy Vogels, Barb Smith, Cindy Shea, Bonney Snyder, Coralie Murray, Rebecca Cozart, Coralie Murray, Pan Vesley & Ronnie Copland



20 Years of Giving to SCWTCA Endowment Inc.

We want to take this opportunity to thank all of you who support the efforts of The Endowment. A complete list of all of our annual donors appears every year in March Benchmarks and you can view that at www.scwtca.org This year to date has been our most successful year with 160 donations to date. The list below are donors who contributed in the past 20 years for five separate years or more. We are thankful to all donors in the past 20 years who have made a total number of 2,300 donations. Wheatens everywhere thank you!

15 - 19 Years of Giving:

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Toni Vincent

5 – 9 Years of

Giving:

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Maggie Snow

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Beverly Streicher

Gerard Thompson

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Deb Van de Ven

Jeri Voyles

Candy Way

Name of Wheaten Owner: _____ Website: www.scwtddb.org

Contact Information in case we have questions: _____

DOG #1

Dog ID #	Reg Name	Call Name	Sex	Reg #	Birth Date	Spayed (S)/ Neutered (N)

Deceased? (Yes or No: date if known...year alone is acceptable)	Cause of Death (NOTE: Euthanasia due to Old Age is acceptable)	Frozen Semen? (Yes or No)	Irish Coat (Yes or No)	Bite (Scissor, level, undershot)	Health Conditions	Temperament

DOG #2

Dog ID #	Reg Name	Call Name	Sex	Reg #	Birth Date	Spayed (S)/ Neutered (N)

Deceased? (Yes or No: date if known...year alone is acceptable)	Cause of Death (NOTE: Euthanasia due to Old Age is acceptable)	Frozen Semen? (Yes or No)	Irish Coat (Yes or No)	Bite (Scissor, level, undershot)	Health Conditions	Temperament

To help add your dogs to the database we have included this form for you to complete with the most important information.
 You can download extra sheets at www.wheatenhealthfund.com or contact us for more sheets at lorrainkenneals@yahoo.com
 Return completed sheets to Kathleen Michnoe, 3005 Angella St Phoenix AZ 85032 Call for questions: 602-482-3103 [paisley/spring@q.com](mailto:paisleyspring@q.com)