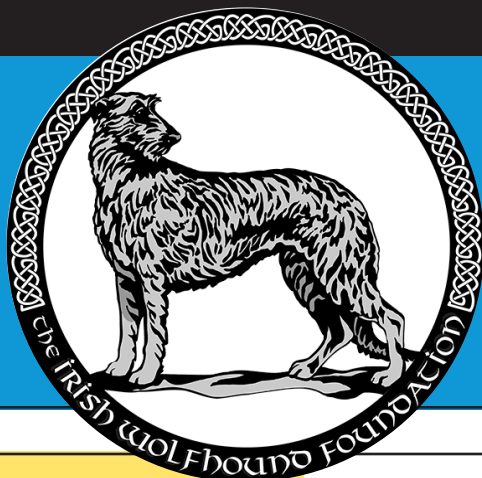


Irish Wolfhound Foundation



Focus

Summer 2019

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Focus

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Millie's Journey with Alternative Treatment for Hemangiosarcoma

By Mary O'Malley

Let me first caveat this article by saying this is a case study with a sample size of one. It may or may not be relevant to anyone else facing hemangiosarcoma, but as there were no side effects to the treatment and Millie has outlived her prognosis with a good quality of life, at the very least this is worth discussing with your veterinarian.

Hemangiosarcoma is typically a very aggressive cancer with a poor prognosis (Kitchell, 2008) (Phillips, n.d.) (Wendelburg, et al., 2015). The average time from discovery of the cancer to death is only 6-8 weeks (Wendelburg, et al., 2015). It metastasizes quickly and since it is a cancer of the blood vessels, it can go anywhere in the body. The most typical presentation is called visceral: a tumor on the spleen (most common location), or one on the heart (second most common location), or any other internal organ. It is often not caught until the tumor starts to bleed and is therefore known as a silent killer, as there are few symptoms before a massive hemorrhage. There are two other types of hemangiosarcoma: cutaneous or dermal, which is literally in the skin and may be cured surgically, and subcutaneous or hypodermal, which is below the skin but not in the internal organs. The latter is the most unusual presentation of the disease, and it's the one Millie has.

Millie is 7 and intact, although I don't think that makes any difference. Her cancer initially presented as a large lump on her neck/shoulder. Both my vet and the surgeon we consulted expected it to be a mast cell tumor, which has a good chance of being cured surgically if the surgeon gets clear margins and it hasn't metastasized (Clinical Oncology Service, Ryan Veterinary Hospital of the University of Pennsylvania, n.d.).

She had her surgery at the end of June, 2018. Her tumor had grown into her muscle and was large. To everyone's surprise, the pathology report showed hemangiosarcoma. The surgeon did get clean margins. The concern was that it might already have metastasized, although a quick ultrasound of her spleen (the most likely site for a tumor) showed no gross tumors.

We consulted with an oncologist who recommended chemotherapy, but also two Chinese herbs: I'm-Yunity

(a mushroom derivative) and Yunnan Baiyao, which a friend had also suggested I look into. The former has been (Brown & Reetz, 2012) and is (University of Pennsylvania, n.d.) currently being studied at the University of Pennsylvania as a treatment for hemangiosarcoma after a splenectomy and in conjunction with chemotherapy (Millie did not qualify for this study as she still had her spleen). Yunnan Baiyao has been used for decades to control bleeding (Wirth, Kow, Salute, Bacon, & Milner, 2016). The exact mechanism is still a mystery, as are the exact ingredients, but it has been used in both humans and animals. The oncologist said to start her on the I'm-Yunity immediately and then start the Yunnan Baiyao if she developed another tumor. He gave her 6-9 months with chemo and the herbs; maybe 3 months without the chemo. From his report (my emphasis added):

Millie has been diagnosed with subcutaneous hemangiosarcoma based on the biopsy results from surgery. This is an aggressive tumor that develops from blood vessels and stem cells. Large and invasive hemangiosarcomas typically have a behavior similar to that of splenic hemangiosarcoma. Unfortunately, this means Millie's hemangiosarcoma is expected to spread within her abdomen, lungs or other more uncommon sites (heart, brain, and others). These sites of spread can bleed and cause sudden weakness or collapse. Additionally, they can cause poor appetite, low energy, and breathing changes.

The tumor itself may regrow and this can cause pain, swelling, bleeding or become an open wound. This risk is lower because of the complete margins accomplished by her surgeon, but not zero. Because of spread or problems with her local tumor, Millie would be expected to live about 3 months without chemotherapy. The addition of chemotherapy on average extends a dog's life by an additional 3-6 months. Some dogs like Millie with subcutaneous hemangiosarcoma will have longer and better responses than expected. Millie has been diagnosed with subcutaneous hemangiosarcoma based on the biopsy results from surgery. This is an aggressive tumor that develops from blood vessels and stem cells. Large and invasive hemangiosarcomas typically have a behavior similar to that of splenic hemangiosarcoma. Unfortunately, this

MILLIE (Continued on page 4)

IWF at the 2019 Nationals



The IWF sponsored Health talk featured Lisa Freeman - DVM, PhD, DACVN. Speaking on “The real scoop on optimal nutrition for the Irish Wolfhound”. Dr. Freeman, who also is an Irish Wolfhound owner, is a specialist in dog nutrition from Tufts University. She spoke on the problems that have been seen lately with some diets resulting in heart disease in certain breeds.

The problem was originally found in certain breeds that didn't typically have problems with heart disease and were showing up in clinics with dilated cardiomyopathy that responded to change in diets. While some of these had taurine deficiencies, many of them did not. In breeds with predispositions to heart disease it is even harder to be sure whether the disease is related to genetics or is caused by food. The Irish Wolfhound, which has an adult onset cardiomyopathy, is one of those breeds.

Dr. Freeman characterizes these foods as Boutique Exotic-ingredient Grain-free (BEG) diets. There has been an explosion in small pet food manufacturers, some without basic knowledge of nutrition and without their own manufacturing facilities or quality control. Boutique ingredients such as wild animal meats are often advertised (i.e. kangaroo meat, avocado, wild boar, smoked salmon, goose, quail) Some of these meats have not been characterized thoroughly for nutritional content. Grain free diets substitute mostly legumes and potatoes for the grains (wheat, corn and rice) previously used in kibble.

She talked about reading a dog food label for the important information. While she talked briefly about ingredients lists she pointed out that was really not as critical as finding

out where the food was manufactured, whether it had been tested in AAFCO feeding trials, or at least formulated to meet the AAFCO recommendations for nutrition of the life stage and size of dog.

Dr. Freeman briefly discussed the work she is doing with the Irish Wolfhound Foundation to relate diet, body condition score (BCS), and heart disease. Last fall we did taurine measurements and detailed diet information on 26 dogs that were getting echo measurements. In addition we have been collecting data on diet and BCS as part of the Life Cycle Study. During the Specialty heart testing Dr. Freeman and Drs Tyrrell and Rosenthal also collected more detailed information on the feeding of dogs undergoing heart testing.

Dr. Freeman pointed out that one of the most important things we can do for our dogs is control their weight. She discussed BCS and demonstrated a way to assess it based on the feel of the ribs.

Much of what Dr. Freeman discussed can be found in her blog “Petfoodology” from Tufts. vetnutrition.tufts.edu/petfoodology. Additional information on the testing and research being done under the IWF will be forthcoming in future issues.

Once again Drs Bill Tyrrell, Steve Rosenthal, and Mariellen Dentino teamed up to test as many IWs that they could at the

TESTING (Continued on page 4)

Bleeding Disorders in Irish Wolfhounds, a Survey

In early 2019 the Irish Wolfhound Foundation was contacted by Daniel J. Fletcher, PhD, DVM, DACVECC of Cornell University, a specialist in critical care. He had become aware of concerns among Irish Wolfhound owners about post-operative bleeding problems, some of them fatal. The discussion centered around the use of anti-fibrinolytic drugs as a preventative for bleeding. While these drugs are quite safe he had questions about how common this was and whether the bleeding was indeed due to hyperfibrinolysis. He has developed an assay to test for hyperfibrinolysis using thromboelastography (TEG). The TEG assays have to be run on whole blood within 30 minutes of collection, but the device is small and transportable.

Dr. Fletcher was wondering if the Irish Wolfhound Foundation would be interested in sponsoring a study to evaluate the causes of bleeding in our breed to determine if we are indeed treating the correct problem. It has been previously documented that some Irish Wolfhounds have vonWillerbrands, disease, a different clotting disorder.

We agreed that the first step was to do a survey and get a better idea of the prevalence of the problem and then to decide how we might go about doing some testing.

A survey was designed by Dr. Fletcher with IWF input and distributed via email lists and Facebook. Here are the preliminary results.

1. We had a total of 100 responses.
2. 47 reported having an Irish Wolfhound that experienced unexplained bleeding and 53 reported not seeing unexplained bleeding.
3. The 47 people reporting unexplained bleeding in Irish Wolfhounds reported a total of 51 affected dogs.
4. Of the 51 dogs with unexplained bleeding, 29 were within 1 week of surgery.
5. Of the 51 dogs with unexplained bleeding, 23 died.
6. Of the 29 surgical bleeds, 19 were spay/neuter surgeries.
7. Of the 19 spay/neuter surgeries, 17 bled into the abdomen, the rest had bruising or oozing from the incision.

It is to be expected that there are some biases to this data. People who had not experienced the problem were less likely to participate in the survey. The mortality rate seemed extremely high but that also could be explained in that dogs that had minor symptoms and did not die may not have been noted as having “abnormal” bleeding.

Still it is obvious from this data that the problem is not insignificant.

Dr. Fletcher is currently in the process of writing up a proposal to define a testing program. He expects to be at the Irish Wolfhound Association of New England show as he is a wolfhound owner himself.



Update from LCS11 Data 2019

The LCS11 study started recruitment after the Lifetime Cardiac Study closed in 2015.

The LCS11 tracks morbidity and mortality in the IW and provides an ongoing database and DNA collection for future research to benefit IWs.

An easy to answer yearly questionnaire is needed for each entered hound and a single blood sample for DNA is collected at entry into the study.

Follow-up is the bane of any longitudinal study. There are too many blanks in the data base!

Hopefully the ability to provide information electronically will improve response.

Health of Our Hounds

573 owners have thus far filled out the initial entry forms for the LCS11. Tracking health concerns for the IW is an important function of the LCS11

The following data is from at least one follow up provided by 306 owners for 355 health concerns (a hound could report more than one health concern).

The IW seems to be a robust dog with 223 of these hounds reporting NO HEALTH CONCERNS.

This data continue to reflect the chronic health problems noted in previous surveys. The numbers are so small that no trends are possible except perhaps the surprising number of hounds with allergies. A follow up on health concerns will be presented yearly- hopefully with growing numbers to improve the accuracy.

Cause of Death

108 owners have reported loss of their hounds.

39 provided no cause of death leaving 69 with reported cause of death.

Cancer continues to kill most of our hounds with 32 of 69 reported deaths from cancer.

Osteosarcoma claimed 23 of these 69 hounds. The average age at death from osteosarcoma in this population was 5.98 years.

Lymphoma was reported in 3 dogs with age at death 7.1 years.

Hemangiosarcoma reported in 1 dog (8.08 yr)

Cancer-other was cause of death in 12 hounds (age 7.4 years at death)

9 hounds had cardiac death reported. The average age of death in these hounds was 7.98 years- a striking 2 year longer life span than hounds with osteosarcoma.

7 hounds died from rear weakness with average age of death

LCS11 DATA (Continued on page 5)

Problems Reported	Cardiac disease	Pneumonia	Allergies	Diarrhea	Bloat	OCD	Difficulty urination	Seizure	Rear weakness	Lymphoma	Megaesophagus	Kidney failure
Number of Hounds	35	17	12	5	3	3	2	2	2	2	2	1

LifeCycle 11 Follow-up Needed

Irish Wolfhound DNA stored at the University of Pennsylvania and elsewhere is not useful to researchers without information from the donating hound.

It is a waste of resources for the poor hound who donates his blood, for his dedicated owner who holds him for the needle stick, for the people gathering the data and for researchers investigating genetic health concerns if he becomes another “lost to follow up”.

To aid future advances in the well being of our hounds an accurate record of health problems documented in a data base is invaluable.

Consistent follow up is the bane of any longitudinal data collection..

Everyone has too much to do.

There are too many hounds in the LCS11 needing follow up. With the help of Mary O’Malley this information can now be provided electronically.

Owner Friendly Data Collection

The need for a simpler questionnaire for the LifeCycle11 Study was evident and thus a listing of the most commonly reported problems was adopted. To improve participation data can now be provided electronically.

Owners will be prompted by email and directed to a link to

FOLLOW-UP (Continued on page 5)

Millie (Continued from cover)

means Millie's hemangiosarcoma is expected to spread within her abdomen, lungs or other more uncommon sites (heart, brain, and others). These sites of spread can bleed and cause sudden weakness or collapse. Additionally, they can cause poor appetite, low energy, and breathing changes. The tumor itself may regrow and this can cause pain, swelling, bleeding or become an open wound. This risk is lower because of the complete margins accomplished by her surgeon, but not zero. **Because of spread or problems with her local tumor, Millie would be expected to live about 3 months without chemotherapy. The addition of chemotherapy on average extends a dog's life by an additional 3-6 months. Some dogs like Millie with subcutaneous hemangiosarcoma will have longer and better responses than expected. Given Millie's surgical site opening (dehiscence), chemotherapy should not be started.**

Because she had a sibling who also had hemangiosarcoma and developed heart problems due to the chemo, we opted not to go that route. It also would have meant close to half the time she had left would have been spent in treatment, with who knows what side effects. The cost/benefit analysis just didn't make sense in this case. While hemangiosarcoma can respond to chemo, it appears to increase short-term survival but not long-term survival (Wendelburg, et al., 2015) (Vucenik & Shamsuddin, 2003).

The recommended dosage was 10-14 capsules of I'm-Yunity daily, split into two doses (she weighs about 125). We chose to go with the lower dose simply because it was easier to manage quantities that way. The I'm-Yunity website recommended the higher dosage, but since the oncologist gave us a range we felt safe staying within that range. (Note: there are other supplements which contain Turkey Tail mushroom,

which is what I'm-Yunity is derived from. We have chosen to stick with the "name brand" but many people on the Facebook group report similar results with other products, such as Host Defense Turkey Tail, which are significantly lower in cost.)

After 4 months at this dose Millie was still acting normal. Eating, playing, running in the field with wild abandon. An echocardiogram in October showed her heart to be free of gross tumors. Thinking that this was about how long she would have been undergoing chemo, we decided to drop her down to a maintenance dose of 2 I'm-Yunity daily, which she is still taking. Note that this "maintenance dose" was not recommended by anyone; we were taking a stab in the dark, in essence. We were reluctant to take her off the I'm-Yunity entirely since she seemed to be doing so well, but if it's killing cancer cells we thought it should have done the bulk of its work already.

After 8 months, still acting normal, Millie developed a lump on her hock. We assumed it was the cancer and started her on Yunnan Bai-yao. I also joined a canine hemangiosarcoma group on Facebook which recommended additional supplements. After some research we added a supplement called IP 6 plus inositol, which has also been shown to kill cancer cells in vitro (Vucenik & Shamsuddin, 2003).

At 10 months the lump/tumor seemed to be growing and she was slowing down in her activity level, so we added yet another cancer-killing supplement, graviola (Qazi, et al., 2018). We shall see what effect that has, if any. After 3 weeks all I can say is that the tumor hasn't gotten any larger since we started the graviola.

Millie is still a happy dog, although she is starting to show some rear end issues, which may or may not be related to the cancer. She has outlived her prognosis and has suffered no

side effects from the supplements we are giving her. The odds are still against her winning against hemangiosarcoma in the long run, but for now, she is enjoying life and we are very grateful for every day we have with her.

I hesitate to say that the supplements have prolonged her life, but then I can't say they haven't. I am impressed enough with her longevity and quality of life to want to share her story, and my research, in case anyone is facing a similar situation and wants to investigate using one or all of these supplements.

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Testing (Continued from page 2)

IWCA National Specialty. Thanks to everyone who brought their hounds. Thanks especially to Carole Silverthorne, who is trying to figure out what I do with paperwork. She learns faster than I teach. Thanks also to Jimmy Glynn, who helped control traffic at the door.

We tested only 54 hounds, down from 71 at last year's Specialty but found very few abnormal results. Shown in Table 1 are the statistics for 2019 with 2018 for comparison. Only one dog this year had atrial fibrillation and that one did not show signs of IW type dilated cardiomyopathy. Two dogs, on the other hand, had tricuspid valve disease that was severe enough to be considered abnormal. While mild valve disease is a common finding, most of it what we have seen is incidental and does not result in abnormal findings.

Thanks to the show committee, we had excellent facilities near the ring and a pleasant space for waiting in the hospitality suite.

2019 IWCA Heart Testing, Santa Fe, NM

Age	Male	Female	Normal EKG	Normal Echo and EKG	Abnormals
<2	2	3	4	1	
2-3 yrs	7	9	9	5	
3-4 yrs	5	7	5	6	2
4-5 yrs	4	6	7	3	1
5-6 yrs	2	2		4	
6-7 yrs	3	2	2	2	
7-8 yrs		2	1	1	1
> 8					
Totals	23	31	28	22	4

2018 IWCA Heart Testing, Grey Summit, MO

Age	Male	Female	Normal EKG	Normal Echo and EKG	Abnormals
<2	1	1	1		1
2-3 yrs	8	17	17	7	1
3-4 yrs	5	12	14		3
4-5 yrs	4	9	5	5	3
5-6 yrs	3	4	5	1	1
6-7 yrs	1	3		2	2
7-8 yrs		2	1		1
> 8		2		1	1
Totals	22	50	43	16	13

TVD =Tricuspid Valve dysplasia

AF= Atrial fibrillation

VPC - Ventricular Premature contractions

AOS = Aortic Valve Stenosis

LCS11 DATA (Continued from page 2)

for these hounds 9.4 years.

2 hounds in this cohort died of renal failure and 2 from pneumonia.

Cancer Kills 46.3% of IWs

Osteosarcoma is the number one killer and kills younger dogs. Cancer including lymphoma, hemangiosarcoma and "other" bring the total of dogs dying from cancer to 46.3% of the hounds with reported cause of death. This is even higher than previous data- although it is based on much smaller numbers than past reports and thus can be misleading.

Please take the time to accurately fill in cause and date of death for your hound so trends can be verified.

Cardiac disease and rear weakness continue to kill our older hounds.

Atrial fibrillation in the LCS11 Study

Since data collection began in 1992 the overall incidence of atrial fibrillation in the IW in North America has been between 8.9-12%. The incidence increases with age and some differences occur based on the age of the population in the data.

The incidence reported from the UK is similar.

Evaluation of the 545 entry EKGs for the LCS11 showed the incidence of atrial fibrillation stubbornly remains at 11.4%.

Overall incidence of VPCs was comparable to earlier data at 3.1%. The appearance of early ventricular beats has proven dangerous for some Irish Wolfhounds. A Holter monitor is recommended if these are found on screening EKG.

11 (2%) of hounds had APCs on screening EKG. These beats are thought to be a precursor to atrial fibrillation.

39 hounds showed regular rhythm that was just faster than normal or sinus tachycardia. In the previous data this did not predict any future heart problems. These hounds will have continued follow up.

Cause of death was reported for 22 dogs being followed for atrial fibrillation.

FOLLOW-UP (Continued from page 2)

provide needed follow up on their hounds. The prompt will come yearly for routine follow up as long as their hound is identified as alive in the study.

Date of death and cause of death is needed to keep your hound in the active data base.

Please take a few minutes to complete the request and maintain the database for benefit to all hounds and future research.

Please make the effort to provide information on littermates and sire/dam if at all possible.

Horizontal pedigrees are so important in investigating the inheritance of health problems. This information greatly enhances the value of the data.

What about the EKG?

Heart disease is still the number 2 or 3 cause of death in our hounds.

The incidence of atrial fibrillation (a rhythm problem identified on EKG and associated with Irish wolfhound cardiomyopathy) increases with age.

Your hound may have no symptoms and even if normal at his last check may develop atrial fibrillation as he ages.

Heart disease in the wolfhound is TREATABLE with well toler-

Only 6(27.2%) of these dogs with cardiac disease died from heart failure.

5 of these hounds died from osteosarcoma, 1 from lymphoma and 2 from other cancer-40.9% dying from cancer. Again the numbers are very small but this is a higher percentage than found in the previous data.

3 hounds died from rear weakness and 1 from pneumonia.

Cardiac disease continues to be a significant problem in our hounds but responds to treatment and these hounds do not die prematurely and are more likely to die from other causes.

This needs to be followed for the future.

Preliminary Nutritional Data

We are what we eat.... This also applies to our hounds.

Veterinary Nutritionist Dr. Lisa Freeman spoke at the National Specialty and is working with the LCS11 study to collect nutritional data to benefit IWs.

Ongoing evaluation of diet and health problems is very important.

42 hounds had a body composition score checked at the National Specialty 2019. Ideal BCS is 5.

15 of these hounds were given a 5 BCS and 16 hounds a 6 BCS which is probably what is considered ideal for the conformation ring?

However 13 hounds were given a 7 and 2 dogs an 8-this is too fat!

Many human cancers are associated with obesity. 15 of 42 hounds with significant excess weight needs attention. There was agreement between owner and vet in the body conditioning score for 19 hounds and disagreement in 23 hounds. In every disagreement the owner felt the hound was thinner... Irish Wolfhounds are mostly easy keepers and love to work for food- or just eat food. Great dark eyes with the proper soft expression and an inclination to thievery make it difficult to restrict calories....

Yearly follow up will also be provided for nutritional data. Follow up is needed on many more hounds to document any trends.

ated and mostly affordable medications.

For these reasons a YEARLY EKG is requested for the LCS11 study and recommended for all Irish Wolfhounds over 3 years of age.

Subsidized EKGs are available at the National and many regional specialties and other IW events. If you cannot attend one of these events with your hound the EKG can be done at your veterinarian's office.

A lead 11 rhythm strip is sufficient.

It may be sent with or without an interpretation- whichever is more economical for the owner.

The EKG can be scanned and emailed or mailed to: The Irish Wolfhound Foundation, Suite 101, Evansville, IN 47714.

If the EKG is not interpreted and there is an abnormality which requires further evaluation you will receive an email within 7 days. The only EKG abnormalities that require cardiology evaluation in the Irish Wolfhound are arrhythmias as the common EKG conduction abnormalities did not lead to future cardiac problems.

THANK YOU for participating in the LCS11 Study.

The Irish Wolfhound Foundation gratefully acknowledges contributions from the following supporters

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 Jean and Gerry Ault
 Mindy Ballinger
 IMO:MB Kinsella-Topping
 Gloria Barrick
 Bonnie Brenan Barr
 Gloria Barrick
 Jamie Souza Bartlett
 In loving memory of Donna Drake & In memory of a wonderful man, Dr Dick Rosebrook
 Karen B Beddow
 In Loving Memory of Donna Adele Drake

Karen Bell
 Patty Berkovitz
 Tina and Mark Berry
 Risha and David Berzins
 Angie Bixler
 IMO: My girl Gewels I love and miss you.
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 Ann Danby
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 IMO: Quinn Dentino & his daughter Trish Abrams
 Laura Demmons
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 IMO: Mary O'Brien
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 IMO: Mary O'Brien
 Tamara Donnelly
 Michael Dorcik

The Irish Wolfhound Foundation, Inc. Treasurer's Report

Balances are as of 04/15/19
 \$230,851.31 General Fund
 \$122,068.15 General Endowment Fund
 \$29,384.72 Rescue Endowment Fund
 Total Disbursements since 01/15/19 \$19,158.11
 \$8,194.33...Education
 note education includes 80% of our website overhaul costs
 \$7944.31.. Health Research
 \$2,098.60.. General
 \$920.87..Rescue
 Total Donations since 01/15/19 \$16,979.95

Irish Wolfhound Foundation – Rescue Grant Report

The reimbursement costs listed below are shared funds between the IWCA & the IWF.

Rescue Reimbursements from 1/1/2018 thru 12/31/2018

Date	IW	Amount	State
March 30, 2018	Male	\$3,000.00	NC
April 19, 2018	M&F	\$ 346.00	MI
September 15, 2018	Female	\$ 369.06	OH
September 17, 2018	Female	\$ 419.77	NC
October 12, 2018	Female	\$ 485.98	MN
October 31, 2018	Female	\$ 559.00	OH

Total Reimbursements for 2018 \$5,179.81

Rescue Reimbursements from 1/1/2019 thru 5/13/2019

Date	IW	Amount	State
February 27, 2019	Female	\$ 920.87	CA
April 22, 2019	Female	\$ 466.71	IL

Total Reimbursements as of 5-13-2019 - \$1,387.58

The remaining IWs still alive today from the 2014 seizure in Houston, TX are broken down as follows:

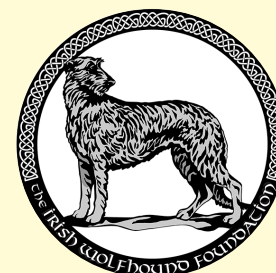
RMIWA 9, Mary Ryan 4, PVIWC 6, and SCIWC 26

After inquiring about the TX 72 count for this report, Mary Ryan's owners sent an update on their hounds. Here are the highlights of their comments along with Mary's reply.

[I think Minnie is aging backwards! She is more active this year than ever. She is still very particular about where she goes (my bed, the kitchen & the sofa are it inside the house! She rips around outside and loves riding in the car.)

Andrea Dormady
 Anne Dorsey
 Donna Drake
 IMO: Della Garret. With gratitude for what you do. And IMO; Dick Rosebrock
 Ted Drake
 IMO: Donna Drake
 Dani Duniho
 Kathleen Dykstra
 Jessica Eby
 Blaine Elkins
 Betsy Elliott
 Facebook
 Yusoon Feeney
 Karon Felice
 IMO: Mary O'Brien
 Gayle Fikentscher
 Lori Finucane
 Eileen M Flanagan
 Estelle Flynn
 IMO: The Shancarrick Ladies & IMO: Mary O'Brien
 Brian Foresman
 Patricia Fostvedt-Oxendale
 Jack Freund
 Barbara Fryberg
 Carol Gabriel
 Guylaine Gagnon
 Jocelyn Gagne
 Michael J Gallagher
 IMO: Pat Lysinger (Patty)
 Edward Galvin
 IMO: Mary O'Brien
 Lynn Gelsomin
 Dedicated to the memory of Donna Adele Drake
 Kelsey Gengaro
 Ylva Ghazal
 Eva Giordano
 IMO: Joanne Giordano
 Jeri and Jimmy Glynn
 Nancy S Goodman
 IMO: All that have passed
 Andrew Gram
 Juilia Green
 Ann Gould
 Maria Grotano
 Bernardine Harford
 Rick Harreschou
 Tom and Diane Hartney
 Melinda Harvey
 William and Cathy Haskins
 Gail Hawksworth
 IMO: Donna Drake In Loving Memory of this awesome lady who I will miss.
 Hendricks Chapel Quilters
 IMO: Mary O'Brien
 Edna Henley
 Andrea Herrmann
 Ron Hess
 IMO: Don Medoff
 Magie Heydenrych
 Maura High
 Barabra Hilbish
 Joyce Holub
 Tamara Houser
 Dixie Howell-Hirsch
 Michael Hussey
 Junko Ishihara
 Irish Wolfhound Club of Puget Sound
 IMO: Beverly Little
 Irish Wolfhound Assoc of New England
 Irish Assoc of the Delaware Valley
 Irish Wolfhound Assoc of the West Coast
 IMO: Donna Drake
 Irish Wolfhound Association of America
 Irish Wolfhound Club of America
 IMO: Ben Carter, Connie Clausen, Mary Crosby, Betty Deemer, Larry Greene, Eva Harris,
 Roni Kaluza, Beverly Little, Donna Monahan, Dr. Dick Rosebrock, Marion Temple, and Nancy Webster.
 Irish Wolfhound Club of America Board
 IMO: Dan Welling
 Jackson Obedience Training Club
 IMO: Mary Crosby
 Karen James
 Rebecca January
 Betty and Roger Johnson
 Kay Katzer
 IMO: Teri & Phil Areder
 Robert Kaufman Co.
 IMO: Barbara Jean Call
 Christina Kelley-Furst
 Casey Kilcullen-Steiner
 Linda King
 IMO: Ben Carter
 Alice Kneavel-Craley
 Kneller Family Foundation
 Cynhya Koets
 Ellen Kroll
 Debbie Lake
 In Memory of and to Honor Barbara Call
 Debra Lambert
 IMO: Mary Michele O'Brien
 Margaret LaRosa
 IMO: Dumfrees McDoodles
 Steve and Karen LeVan
 Mindy Levin
 Brigitte Anna Lins-Tennert
 Roxanne Lisak
 IMO: Mary O'Brien
 Glynis Littlewood
 Leola Loebelenz
 Christine Lowe
 IMO: Mary Crosby
 Stephen Ludick
 IMO: Donna Drake
 Bill and Margaret Managan
 IMO: Cindy King, lover of Labrador Retrievers
 Virginia Maconi
 Michael Marks
 IMO: Michael and Judy Marks
 Anne Marroquin
 Susan Marshall
 IHO: Laura Graffius
 Karen Marvin
 IMO: Mary O'Brien
 Susan Marvin
 IMO: Donna Drake
 Belle McCluskey
 Gordon McDonald
 Susan McIntosh
 Jonathan McKinney
 In appreciation of Anne Janis
 Bill and Lisa McKinney
 Tammy McNeely-Aube
 Larry Mead
 IMO: Mary O'Brien
 Rainer Sticht and Pamela Menth
 Melanie Mercer
 Melissa Meyer
 Linda Moats
 IMO: Donna Drake
 Susan Montgomery
 Claire Morrison
 Michael Muffley
 Pamela Murphy
 Phillip and Carolyn Munro
 Victoria Naegele
 Network For Good
 Sandra Newton
 Vicky Nickols
 IMO: Donna Drake
 Ronni Nienstedt
 Lee O'Brien
 IMO:William G. O'Brien
 Mary and Margaret O'Brien
 "In Celabration of Tuathla's 10th Birthday"
 Jami Ojala
 OKI Gazehound Organization
 John O'Malley
 Kathleen O'Malley
 Mary O'Malley
 Denise Orbals
 Dennis and Amy O'Rourke
 IMO: Mary O'Brien
 Dorothy O'Sullivan
 Barbara Patterson
 Cynthia Patterson
 Jeanne Patterson
 Harvey Payne
 IHO: Donna Drake
 Kay Paz
 IMO: Dr Rick Rosebrock
 Betty Pearson
 Mary Perry
 IMO: Pippin Bryson a fun loving boy
 Karla Petermann
 John and Shelia Peyton
 IMO: Ben Carter
 Raena Phillips
 In Honor of Mannix and Medb
 Donna and Joseph Pitt
 Rose Mary Pries
 IMO: Donna Drake and IMO: Mary Crosby
 Katherine Presswood
 IMO: Lorraine Garland
 Marybeth Prusher
 Carolyn Purvis
 Janet Queisser
 Robin Raab
 Joan Rackham
 Audrey Rajec
 IMO: Moriah Grace
 Cindi Rankin Snoddy
 Christina Rappel
 Natasha Rea
 IMO: Barbara Call who loved her daughters& Irish Wolfhounds
 Jennifer Redline
 Margaret Reid
 Jerry and Chantal Reuss
 IMO: David Moredock
 Louise Rice

(Continued on page 8)



The Irish Wolfhound Foundation, Inc.

Focus

537 Hack man Rd.
Lititz, PA 17543

Change Service Requested



Photo by Mary O' Malley

Millie field running after 4 months on her alternative treatment.

Dustin Richardson

Tamara Ritzenthaler

Joe and Kathy Roland

Cherry Rolle

Lynne Rosebrock

Leslie Rothermal

Aimee Ryba

Leslye Sandberg

Linda Savage

Gabi Schneidman

Alan and Jane Schluter

Sandy Shacklett

Mary Sharkey-Christian

Debbie Sharpe

Mary Ellen Shriver

IMO: DC Eirian Coltrane Running

Patrician Silverman

IMO: If ever there were a dedicated Irish Wolfhound breeder and advocate, it was Donna Adele Drake. Donna passed away February 22, 2019. Thank you, Donna, for your energy; friendship and unerring devotion to your dogs. You are deeply missed.

Carole Silverthorne

Anne Simpson

Elizabeth Simpson

Melissa Sisson

IMO: Celtie loving fur baby of our friend and colleague. Many Hugs Melissa and Marci

Craig and Linda Kay Smith

IMO: Donna Drake

David Smith

Elizabeth Smith

Tom and Nancy Smith

Meg Noland Southard

Linda Souza

Peggy Squires

Audrey St Clair

Kim Staman

IMO: Donna Drake

Cynthia Steele

Donna Stottlemeyer

Christina Strelova

IMO: Donna Drake, For your beautiful big heart and sharing Sweetie's story with me.

Donna Sula

Kay Sullivan

IMO: Mary Crosby

Ann Sury

Lauren Swick

Susan Tank

IMO:Merlin & Liam

Yumiko Tatsuki

Perry Taylor

IMO: Donna Drake

Linda Terefenko

Mary Thomas

IHO: Mary O'Malley's Birthday

Sydney Thomson

Rebecca Torres

Elizabeth Utick

IMO: Barbara Call

Dawn Van Hall

IMO: Mary O'Brien

Angela Varesano

IMO: Mary O'Brien

Anne Varney

Linda Vaughn

Syracuse Parking Violations Dept
In Memory of Mary O'Brien

Gene Voorhees

IMO: Donna Drake

Diana Vreeken

David Walker

Maggie Weidinger

Stephen Weir

Debra Welch

Jane Wilkings

IMO: Barbara Call

Jill Williams

Marilyn and Steve Witman

IMO: "Timmy-Our Sweet Boy"

Anne Worthmann

IMO: Donna Drake

Audrey Wright

John Wright

Julia Wright

Richard Wyrens

Dwayne Yorke

Kathi Yorke

Cathryn Zega

Zazzle Inc.

Kathy Welling

IMO: MB Kinsella-Topping

Anne C Williams

Howard B Wittels

Stephen M Wolk MD

Zazzle Inc.