



UNLEASHED

Volume 32 Issue 7 A publication of the Central Ohio Labrador Retriever Club July/August 2021

2021 Meeting/Event Dates

Meeting: Wednesday, July 7
Home of Jan Eichensehr
6:30 p.m.
Pizza for dinner

Meeting/Event Dates

July 7
September 1
October 6
November 3
December TBA

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CHECK OUT CENTRAL OHIO LABRADOR RETRIEVER CLUB
ON FACEBOOK

[HTTPS://WWW.FACEBOOK.COM/GROUPS/575516432535825/](https://www.facebook.com/groups/575516432535825/)

**July 7, 2021 is the date of
the next COLRC Meeting at
the home of Jan
Eichensehr.**

Pizza is on the menu.

**Meeting will focus on
finalizing plans for 2021 Fall
Specialty.**

Please join us!

HAPPY

INDEPENDENCE DAY!



Questions & Answers: FDA's Work on Potential Causes of Non-Hereditary DCM in Dogs

In September 2020, FDA joined scientific experts from academia, industry, and veterinary medicine in a scientific forum hosted by Kansas State University (<https://www.ksvdl.org/resources/dilated-cardiomyopathy-dogs-forum.html>) □ (<http://www.fda.gov/about-fda/website-policies/website-disclaimer>) to examine the potential causes of non-hereditary dilated cardiomyopathy (DCM) in dogs. The event was a forum where scientists with research into DCM could share information, collaborate, and discuss many different – and even conflicting – theories on the condition. FDA; the veterinary community, especially veterinary nutritionists and veterinary cardiologists and other specialists; industry and academia, continue to examine this issue to help determine what factors may be contributing to the heart conditions observed and reported to FDA.

Because every dog is unique and has their own nutritional needs, your veterinarian is in the best position to advise you on how to best feed your dog. Please consult your veterinarian to discuss before making a change in your dog's diet. We encourage veterinarians to review the KSU proceedings (<https://www.ksvdl.org/resources/dilated-cardiomyopathy-dogs-forum.html>) □ (<http://www.fda.gov/about-fda/website-policies/website-disclaimer>) to learn more about the current research on this issue.

We recognize that you may have questions. Below we have compiled answers to address some of the frequently asked questions raised by pet owners and veterinarians. These may be updated as we learn more.

1. What is canine dilated cardiomyopathy (DCM) and how does non-hereditary DCM differ from the genetic form?

DCM is a disease of a dog's heart muscle and results in an enlarged heart. As the heart and its chambers become dilated, it becomes harder for the heart to pump, and heart valves may leak, which can lead to a buildup of fluids in the chest and abdomen (congestive heart failure).

Historically, DCM has been primarily linked to a genetic predisposition in certain breeds, but emerging science appears to indicate that non-hereditary forms of DCM occur in dogs as a complex medical condition that may be affected by the interplay of multiple factors such as genetics, underlying medical conditions, and diet. Aspects of diet that may interact with genetics and underlying medical conditions may include nutritional makeup of the ingredients and how dogs digest them, ingredient sourcing, processing, formulation, and/or feeding practices.

Reports from veterinary cardiologists demonstrate some good results in improving heart function in non-hereditary DCM cases, unlike genetic forms of DCM, with appropriate veterinary treatment and dietary modification, when caught early in the progression of the disease.

2. Why is FDA focused on potential dietary causes of non-hereditary DCM?

While non-hereditary DCM appears to be caused by a confluence of multiple factors, FDA is a regulatory agency and has regulatory authority over animal food, including pet food, thus the reason for the agency's focus on diet as a potential contributor. There is no public health agency that tracks animal health in the same way that the Centers for

Disease Control and Prevention tracks human health, therefore FDA has called on the veterinary and academic communities, as well as industry, to contribute research on various aspects of non-hereditary DCM. Many representatives from these sectors participated in the recent KSU scientific forum and several agreed to publicly share their abstracts and/or presentations.

3. What is FDA doing to better understand non-hereditary DCM cases?

Our veterinarians, animal nutritionists, epidemiologists and pathologists have been working with veterinary cardiologists and nutritionists from academia, industry and private practice to better understand the clinical presentation of the cases and potential ties to diet, such as bioavailability of critical nutrients and how well a dog digests these nutrients. FDA scientists also presented (https://www.ksvdl.org/resources/documents/dcm-forum/FDA_KSU-Science-Forum-slides_09-29-2020.pdf) □ (<http://www.fda.gov/about-fda/website-policies/website-disclaimer>) at the KSU symposium on a subset of dogs that had fully or partially recovered from DCM with diet change and veterinary care.

4. What additional information would help further understanding of non-hereditary DCM?

FDA is encouraged by the response of veterinary cardiologists, veterinary nutritionists, academia and industry in delving into this issue and we encourage other scientists to take part. As we look further into the role that diet may play in these cases, we hope to explore additional avenues of inquiry such as formulation, nutrient bioavailability, ingredient sourcing, and diet processing to determine if there are any common factors. We have asked pet food manufacturers to share diet formulation information, which could substantially benefit our understanding of the role of diet in the development of non-hereditary DCM. Formulation data shared with the FDA will be kept confidential.

5. How many cases have been reported to the FDA?

Between January 1, 2014 and July 31, 2020, the FDA received more than 1100 case reports of diagnosed dilated cardiomyopathy in dogs. The majority of these cases were reported immediately after FDA provided public updates. Some of these cases involved more than one animal from the same household. In the reported cases, more than 280 of those dogs were reported to have died. Of the approximately 20 cat reports, there were approximately 13 cat deaths. The agency received additional reports of other types of cardiac disease in dogs, however, these reports did not meet our case definition requirement of a confirmed DCM diagnosis.

6. Do the diets associated with cases of non-hereditary DCM appear to have any commonalities?

Most of the diets associated with the reports of non-hereditary DCM have legume seed ingredients, also called “pulses” (e.g., peas, lentils, etc.), high in their ingredient lists (although soy is a legume, we did not see a signal associated with this ingredient). These include both “grain-free” and grain-containing formulations. Legumes, including pulse ingredients, have been used in pet foods for many years, with no evidence to indicate they are inherently dangerous, but analysis of data reported to CVM indicates that pulse ingredients are used in many “grain-free” diets in greater proportion than in most grain-containing formulas. FDA has asked pet food manufacturers to provide diet formulations so we can further understand the proportions of ingredients in commercially-available diets and possible relationships with non-hereditary DCM.

The FDA does not know the specific connection between these diets and cases of non-hereditary DCM and is continuing to explore the role of genetics, underlying medical conditions, and/or other factors.

7. Is FDA planning to continue naming the brands most associated with cases?

No, we are not planning to update the commonly reported brands, as we are aware that several pet food companies have adjusted diet formulations since our initial announcements about DCM. We have asked pet food manufacturers to share diet formulation information, which could substantially benefit our understanding of the role of diet in these cases. We continue to encourage pet owners to discuss their animals' diets with their veterinarians.

8. Is this an issue with only grain-free diets or diets containing legumes or pulses?

No. FDA has received reports of non-hereditary DCM associated with both grain-free and grain-containing diets. Most of the diets associated with reports of non-hereditary DCM have non-soy legumes and pulses (e.g., peas, lentils, etc.) high in their ingredient lists. However, it is important to note that legumes and pulses have been used in pet foods for many years, with no evidence to indicate they are inherently dangerous. CVM's data show that pulse ingredients are likely used in many "grain-free" diets in greater proportion than in most grain-containing formulas.

9. As a regulatory agency, has FDA requested any recalls of pet foods associated with non-hereditary DCM?

FDA has no definitive information indicating that the diets are inherently unsafe and need to be removed from the market, but we are continuing to work with stakeholders in assessing how the diets may interact with other factors that may be impacting non-hereditary DCM. We encourage pet owners to work with their veterinarians, who may consult with a board-certified veterinary nutritionist, prior to making diet changes. We also encourage veterinarians to review the proceedings of the KSU symposium in order to learn more about non-hereditary DCM. FDA continues to pursue scientific understanding of non-hereditary DCM and welcomes additional contributions from other scientists.

10. How long will it take to pinpoint the cause(s) of non-hereditary DCM?

We see this as an ongoing, collaborative scientific venture, of which FDA has just one piece as the regulator of animal food and reviewer of adverse event reports received as part of the pet food early warning and surveillance system. The scientific community continues to assess the available information and fill data gaps to determine what factors may contribute to the development of non-hereditary DCM. We look forward to continuing to engage with scientists as opportunities arise. We will also provide additional updates to notify the public if or when substantive scientific information comes to light.

Additional Information Questions & Answers: FDA Center for Veterinary Medicine's Investigation into a Possible Connection Between Diet and Canine Heart Disease (updated June 27, 2019) ([/animal-veterinary/animal-health-literacy/questions-answers-fda-center-veterinary-medicines-investigation-possible-connection-between-diet-and](https://www.fda.gov/animal-veterinary/animal-health-literacy/questions-answers-fda-center-veterinary-medicines-investigation-possible-connection-between-diet-and)).

General COLRC Information



The **UNLEASHED!** is a publication by and for the members of the **Central Ohio Labrador Retriever Club** and others interested in the betterment of the sport and advancement of cooperative communication within the Labrador community and the dog fancy.

The articles and information contained in this publication have been deemed by the editor to be of interest to our readers but do not necessarily reflect the beliefs or the opinions of the editor or COLRC members. Reader input is actively solicited.

Please address or email all articles, announcements, comments and suggestions to newsletter@colrc.com. Unleashed is published ten to twelve times per year. Closing for each issue is the 20th day of the month prior to publication.

Dues are \$25 annually for a single membership and \$40 for a joint membership. Business cards will be placed on the COLRC website for the year at a cost of \$50 for members and non-members.

Club members who wish to utilize the Litter Listing Column of the newsletter and website will be required to pay \$50 per litter listing unless they have worked at two of our three club events during the course of the year.

Meetings General meetings shall take place the first Wednesday of every month unless otherwise noted.

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