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WEEKLY-93

GLOBAL NEWS

Recessive gene linked to breed-specific hearing loss identified

VPN, March 9th 2022

Prevalence of hearing loss in Rhodesian Ridgebacks may soon be reduced, thanks to a new genetic discovery. A study of 185 Rhodesian Ridgebacks completed by canine genomics and biotechnology company, has identified a recessive mutation linked to early-onset adult deafness (EOAD) in the breed. Using more than 220,000 genetic markers, the analysis localized the genetic association to the EPS8L2 gene, with further DNA sequencing and genotyping identifying a deletion perfectly predictive of EOAD, Embark reports. The discovery will help veterinarians and owners develop proactive care strategies for dogs likely to lose their hearing, including training Rhodesian Ridgebacks using visual cues instead of sounds. Additionally, knowledge of this recessive mutation can help breeders reduce prevalence of hearing loss through advanced screening practices.

Silicone tags used to identify dogs' pollution exposures

AVMA, March 4th 2022

Silicone tags attached to a collar could someday help veterinarians gather details on a pet's chemical exposures. Researchers from Duke University, North Carolina State University, and the Centers for Disease Control and Prevention collaborated on the study, which involved measuring residues that accumulated in tags worn on the collars of 30 dogs and wristbands worn by 30 of their owners over five days. The results, published Dec. 29, 2021, in Environmental Science and Technology, indicate that higher concentrations of certain pest control chemicals absorbed by the tags and bands—the insect repellent DEET and the insecticide permethrin- significantly correlated with higher concentrations of related metabolites in urine samples from the dogs and dog owners as well as with questionnaire answers provided by those owners about their use of such products. "These data further demonstrate that silicone passive samplers have the potential to be valuable tools for the cross-species assessment of exposures, showing high correlations between the exposures that people and their pet dogs share in their everyday environment," the article states.

CASE STUDY

RENALOF® Pet on kidney stones

Dr.Neacsu Mirela-Daniela, Spain

Patients: 3 cats between 7 months and 3 years > MIU, OREO, TOULOUSE. The case study was carried out to assess the efficacy of Renalof, a product from Catalysis Laboratories designed for the elimination of urinary stones, magnesium and ammonium phosphates(Struvite). The study was carried out on the cases of 3 cats aged between 7 months and 3 years, which were followed up. The patients attended the clinic with urethral obstruction in the bladder. On ultrasound, the bladder is in a state of great fullness, with multiple particles in suspension. Thick bladder mucosa. In the urine tests, the patients had magnesium ammonium phosphate in the bladder. Once the diagnosis was established, the patients received general medical treatment, diet and Renalof Pet supplement, administered in doses of 1 ml every 5 kg every 12 hours for 3-6 months. The evolution of the patients was favorable, improving the general condition, urination correspondingly, without other urethral blockages, the amount of sediment in the bladder decreases by more than 70% in about 2 months. After the study was carried out, the efficacy of the Renalof product has been demonstrated, a product that is easy to administer, very well tolerated by patients, without adverse side effects.

VIVALDIS CORNER

Vivaldis celebrated International Women's Day with the lady Veterinarians across the country on 8th March. The theme for this year was #breakthebias

RENALOF

Presentation:
150 ml

Dose

1ml/5kg body weight every 12 hrs

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