

Plugging the protein faucet in dogs with PLE¹

DVM360, September 10th 2021



A leaky gut has several potential backstories. But every type of "protein-losing enteropathy" (PLE) shares a common loss: albumin. Although dogs with PLE are quite sick, advances in diagnostics & treatments have improved outcomes. Healthy dogs lose regulated amounts of protein through the GI tract &

the kidneys, but hypoproteinemia can result from excessive loss secondary to protein-losing enteropathy (PLE). Other conditions that can result in hypoproteinemia include protein-losing nephropathy (PLN) & decreased hepatic synthesis. The key feature of PLE is panhypoproteinemia, due to the loss of both small (albumin) & large (globulin) proteins. Several breeds are predisposed to PLE. In Yorkshire terriers, lymphangiectasia can be primary or secondary. Other breeds that are genetically predisposed to PLE include soft-coated wheaten terriers & Norwegian lundehunds as well as Rottweilers, German shepherds & shar-peis. The main goal of therapy is to harness albumin loss. Acute cases require more aggressive treatment than those that have been festering for a while. To avoid third-spacing of fluids, using half crystalloids & half colloids are recommended. If colloids are not available, fresh frozen plasma can be used. Antibiotics should be used only if diarrhea is present. Intravenous metronidazole can be given in the hospital & then the patient can be sent home with oral metronidazole.

Veterinary Care Market Size Worth \$114.4 Billion By 2028 | CAGR: 5.4%²

PRNewswire, September 15th 2021



The global veterinary care market size is expected to reach USD 114.4 billion by 2028, registering a CAGR of 5.4% over the forecast period, according to a new report by Grand View Research, Inc. A significant increase in pet adoption and humanization worldwide is mostly responsible for the

high need for veterinary care, which is boosting the market growth. Companion animals held the dominant share in the animal type segment owing to increasing pet healthcare expenditure and increasing pet adoption. Primary care type, for both production & companion animals, dominated the global market in 2020 due to the increased pet ownership, government initiatives to prevent various animal diseases, and a high number of veterinary hospitals & clinics. Moreover, the COVID-19 pandemic resulted in increased adoption of pets.

WSAVA Webinar: Top Tips for Impactful Consultations³

WSAVA, September 9th 2021

The World Small Animal Veterinary Association (WSAVA) is to host a free webinar to help veterinary professionals communicate more effectively with owners regarding their pet's care. The webinar will be led by Suzanne Rogers, Co-director of Human Behaviour Change for Animals and Dr Natasha Lee, Chair of the WSAVA's Animal Wellness and Welfare Committee (AWWC). Regularly cited as one of the key challenges faced by veterinarians and veterinary nurses, their ability to communicate clinical and welfare information effectively to clients is key to ensuring compliance. Yet as levels of compliance continue to be a challenge, a better understanding is needed within the veterinary profession as to the best ways to communicate in order to encourage clients to take the steps necessary for their pet's welfare and wellbeing. This webinar and subsequent live Q&A will be moderated by Dr Natasha Lee, Chair of the WSAVA AWWC, and a veterinarian from Malaysia with more than 14 years' experience in animal welfare. Find out more about the webinar:

STUDY

Chemotherapy-induced diarrhoea in dogs and its management with smectite: Results of a monocentric open-label randomized clinical trial

Veterinary & Comparative Oncology, June 2020

Chemotherapy-induced diarrhoea (CID) is a frequent chemotherapy adverse event in dogs. Yet, there is currently no consensus regarding its management. Smectite is a natural medical clay, widely used in the treatment of acute diarrhoea in humans. The objectives of this study were to assess the efficacy of smectite in the management of CID in dogs, and to collect epidemiological data on CID. For each episode of diarrhoea, dogs were randomized into two management groups: Smectite group, receiving smectite at 0.5g/kg PO per day divided in two to three doses initiated at the start of CID; control group, without initial medication. In both groups, rescue metronidazole was prescribed if CID progressed or was not improved within 48 hours. Sixty dogs were recruited and received 426 chemotherapy administrations between June 2017 and March 2019. The incidence rate of CID was 110/426 (25.8%, 95% CI: 21.7%-30.2%), and significantly differed between the chemotherapeutic drugs administered ($P < .001$). Metronidazole was administered in 5/54 events (9.3%, 95% CI: 3.1%-20.3%) in the smectite group and in 40/56 events (71.4%, 95% CI: 57.5%-82.3%) in the control group ($P < .001$). The time to resolution of diarrhoea was shorter ($P < .001$) in the smectite group (median: 19.5 hours, interquartile range [IQR]: 13.5-32 hours) compared with the control group (median: 53 hours, IQR: 31.5-113.5 hours). **The results of this study support the administration of smectite in the first-line management of CID in dogs.**

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