



GLOBAL NEWS

AVMA launches revamped website for its veterinary scientific journals¹

November 8th, 2021



The American Veterinary Medical Association (AVMA) has unveiled a newly revamped website for its education journals: the Journal of the American Veterinary Medical Association (JAVMA) and the American Journal of Veterinary Research (AJVR). The new design incorporates feedback from members and journal readers, geared toward improving ease of use and access while offering a better experience for visitors.

Zoonotic diseases pose a threat to global health²

November 5th, 2021



Zoonotic disease is an escalating threat to the health of humans, animals, and plants, according to Chris Walzer, DECZM, Executive Director of health for the Wildlife Conservation Society. Emerging and re-emerging infectious diseases, as well as the amplification of noninfectious diseases, are increasingly threatening the biological infrastructure of life around the world, he explained. While

presenting a session on COVID-19 and novel zoonotic-origin pathogens, he said that scientists have estimated about 1.7 million viruses in mammals and birds that have not yet been discovered. These undiscovered viruses include about 700,000 potentially zoonotic in nature, he said. One Health, One World - The One Health principle is an approach to infectious diseases that affect humans, animals, and plants with the notion that all life is connected. The goal of One Health is to achieve optimal health outcomes for all living things, according to Walzer.

STUDY

Randomized, controlled, crossover trial of prevention of antibiotic-induced gastrointestinal signs using a synbiotic mixture in healthy research dogs

(Journal of Veterinary Internal Medicine, 2019)

Objective- To determine if administration of synbiotics mitigates AAGS (antibiotic-induced gastrointestinal signs) in dogs

Animals - Twenty-two healthy research dogs

Methods - Randomized, double-blinded, placebo-controlled, 2-way, 2-period, crossover study with an 8-week washout period. Each period included a 1-week baseline and 3-week treatment phase. Dogs received enrofloxacin (10 mg/kg PO q24h) and metronidazole (12.5 mg/kg PO q12h), followed 1 hour later by a bacterial synbiotic combination or placebo. Food intake, vomiting, and fecal score were compared using repeated-measures crossover analyses.

Conclusions & Clinical Importance - Enrofloxacin/metronidazole administration is associated with a high frequency of AAGS. Synbiotic administration decreases food intake derangements. The presence of milder AAGS in period 2 suggests that clinical effects of synbiotics persist >9 weeks after discontinuation, mitigating AAGS in dogs being treated with antibiotics followed by placebo.

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Synbiotics: New pro- and prebiotics for dogs and cats³

Petfood Industry, October 2021



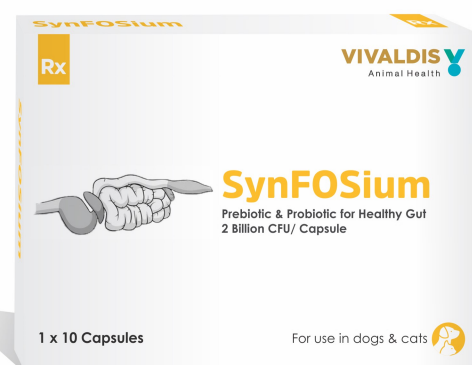
At this point, most of us know that the gut microbiome is an important component of overall health. With estimates asserting that mammals contain around 10 times more bacteria than cells in their bodies and 1,000 more microbial genes, the importance of a healthy gut cannot be overstated. Probiotics are defined by the World Health

Organization (WHO) as live microorganisms, which when administered in adequate amounts confer a health benefit on the host. Prebiotics are nondigestible food ingredients that are added to diets or used as supplements to modulate the growth or metabolic function of resident intestinal bacteria. Synbiotics are commercially available products that contain both probiotics and prebiotics.

Benefits of synbiotics: The whole point of synbiotics is to create one combination product that provides a net benefit for the animal based on synergistic pre- and probiotics. The most promising applications for probiotics are treatment of acute uncomplicated diarrhea, prevention of stress diarrhea, prevention of antibiotic-associated GI signs, IBS, IBD and as adjunct therapy for chronic enteropathies. One study in healthy, trained dogs found that a synbiotic that included *E. faecium*, *Bacillus coagulans*, *L. acidophilus*, and multiple prebiotics and vitamins led to an increase in *Lactobacillaceae* bacteria and the concentration of butyrate, as well as a decrease in diarrhea.

SynFOSium

Prebiotic & Probiotic for Healthy Gut
2 Billion CFU/ Capsule



Presentation:

A box contains 10 strips of 10 capsules each.

Dosage:

1 Capsule daily

Capsule can be opened and contents sprinkled on food or water if required