

## NEWS

## Bark Out = Loud =

### Nominations open for 2022 WSAVA Awards

WSAVA, February 2022

WSAVA has launched its annual search for veterinarians and veterinary team members who are going the extra mile to advance the care of companion animals with the launch of its 2022 Awards. Nominations are invited in the following categories: The WSAVA Award for Companion Animal Welfare, The WSAVA Future Leader Award, The WSAVA Award for Global Meritorious Service, The WSAVA Award for Scientific Achievement. In addition, the WSAVA One Health Committee selects the recipient of the WSAVA One Health Award, which recognizes exemplary service by an individual in promoting the global One Health concept, particularly in relation to the importance of small companion animals. All WSAVA Award recipients receive free registration and support with travel to and accommodation at WSAVA World Congress, which, this year, takes place in Lima, Peru, from October 29-31. An explanation of the nomination process can be found on the WSAVA website at <https://wsava.org/about/awards/>. The deadline for nominations is March 18 2022.

### AVMA: "Doggie breath" could be a sign of serious disease

AVMA, February 2<sup>nd</sup> 2022

The odor coming from pet's mouth could be more than a nuisance: it could signify a serious health risk with the potential to damage not only pet's teeth and gums but their internal organs as well. According to the American Veterinary Dental College, most dogs and cats have some evidence of periodontal disease by the age of 3, often indicated by bad breath, a change in eating or chewing habits, pawing at the face and mouth, and depression. Although daily tooth brushing is advised for dogs and cats, a study published in the Journal of Veterinary Dentistry showed that only 2% of dog owners follow through with this practice. In addition, a survey of pet owners showed that only 14% of dogs and 9% of cats receive dental care at the veterinarian's office. Pet dental visits begin with an oral exam of pet's mouth. Radiographs (x-rays) may be needed to evaluate the health of the jaw and the tooth roots below the gumline. Because most dental disease occurs below the gumline, where you can't see it, a thorough dental cleaning and evaluation are performed under anesthesia. Dental cleaning includes scaling (to remove dental plaque and tartar) and polishing.

### Certain traits make parasitic worms more likely to infect people

UGA, 2022

Parasitic worms that infect companion animals such as dogs and cats are more likely to make the leap into humans than other worm species, according to new research from the University of Georgia's Center for the Ecology of Infectious Diseases. Parasitic worms, or helminths, are estimated to infect 1.5 billion people globally, according to the WHO. Many of these parasites infect humans, causing a number of serious illnesses, including schistosomiasis and filariasis. Published in The Royal Society journal Philosophical Transactions B, the study focused on 737 parasitic worm species that predominantly infect wild and domesticated mammals. Of these, 137 are known to be able to infect people. The researchers categorized the worm species' traits and built a machine learning model to determine which characteristics were most commonly associated with transmission into humans. They found that worms that can infect companion animals or fish are more likely to cause human infection than worms that infect other animal species.

### Oral pharmacokinetic profile of fipronil and efficacy against flea and tick in dogs

Journal of Veterinary Pharmacology & Therapeutics, January 2022

Fipronil (FIP) is an ectoparasiticide of the phenylpyrazole class, used in veterinary medicine in topical form. Supported by evidence of uncontrolled human exposure to FIP and environmental damage caused by commercially available formulations, its use by oral administration has become promising. The effectiveness of FIP against the flea *Ctenocephalides felis felis* and the tick *Rhipicephalus sanguineus* and its pharmacokinetics and main active metabolite, fipronil sulfone were evaluated after single oral administration of tablets in three different doses (2, 4, and 6 mg/kg) in dogs. Through the plasma concentration curves, it was possible to observe that the FIP showed rapid absorption and metabolism and slow elimination. The values of C<sub>max</sub> and AUC<sub>0-t</sub> did not increase proportionally with increasing dose. At 48h after treatment, doses of 4 mg/kg and 6 mg/kg provided 100% and 99% efficacy against fleas, and 95% and 98% against ticks, respectively. The correlation between the FIP pharmacokinetic and efficacy data demonstrated its potential for oral administration in the form of tablets for the control of ectoparasites in dogs, as a safer alternative for animals, humans, and the environment, aligned with the One Health concept.

### FLEA & TICK SPOT ON



**Presentation:** 1.5, 3, 5ml pipette

For dogs & cats weighing up to 10kg -  
1 pipette of 1.5ml

For dogs weighing 10-30kg -  
1 pipette of 3ml

For dogs weighing more than 30kg -  
1 pipette of 5ml

### FLEA & TICK SPRAY



**Presentation:** 1x10 tablets

### en-dewor

For small dogs and cats  
1 tablet BID for 2 days  
For large and medium dogs  
2 tablets BID for 2 days



### VI-FI Forte

**Presentation:**  
0.67, 1.34, 2.68,  
4.02ml pipette

**Spray:** 100ml

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