



Key points

Dr. Norbert Mencke: „CVBD – an increasing global threat”

- Canine vector-borne diseases (CVBD) like leishmaniosis, dirofilarioses, babesiosis, anaplasmosis, ehrlichiosis and Lyme borreliosis constitute a major threat to the dogs' health:
 - Many of the pathogens pose a risk to humans as well as animals and some of them may be fatal if left untreated.
 - Most of the pathogens can not be eliminated from the infected animal or man.
 - Therapy is a long journey, elimination of the pathogen and cure is often incomplete.
- There is an increasing risk of these vector-transmitted infections in most parts of the world due to the spread of ectoparasites such as sand flies, ticks, mosquitoes or fleas and –subsequently– the transmitted pathogens.
- In absence of effective preventative strategies against most of the vector-borne pathogens itself, the logical consequence is ectoparasite control. Only prevention of the arthropod-host interaction, starting from first interaction to skin attachment and blood-feeding, can help to reduce the risk of infection. Less bites also mean less stress for the dog.
- Bayer Animal Health will continue to provide cutting-edge knowledge about pathogens like *Leishmania infantum* to veterinary practitioners, and thus pet owners. Studies like this field trial will help us to get the best possible understanding of the ectoparasites-pathogen-host-interaction and its inhibition.

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