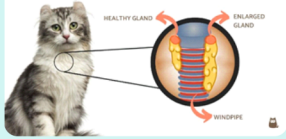


Iatrogenic hypothyroidism in cats

DVM360, June 16th 2022

HYPOTHYROIDISM IN CATS



Iatrogenic hypothyroidism (IH) results when treatment for hyperthyroidism causes suppression of total thyroxine (T4) below normal levels. Azotemia is more common in cats with IH which can result from surgical thyroidectomy, radioactive iodine (I-131), or oral methimazole treatment. The overall prevalence of IH in cats treated for hyperthyroidism is estimated to be around 1 in 5 cases whereas the prevalence in methimazole-treated cats may be as high as 50% of cases. In cases having been treated with surgical thyroidectomy or I-131, thyroid hormone supplementation should be initiated (levothyroxine, 100-200 µg/cat/day) with the same recheck plan. Spontaneous hypothyroidism is rare in cats, but results of a small study showed that 4 of 4 cats had their azotemia resolve with levothyroxine treatment.

Zoonosis leads to 60% of all known infectious diseases, 75% emerging illnesses

WSAVA, June 14th 2022



Zoonoses are the cause of 2.4 billion cases of human disease and 2.2 million deaths per year in India. In the last two decades, emerging zoonotic diseases have been reported from 18 out of 22 countries in the region, often, with explosive outbreaks and high fatalities never seen in any other WHO region. World is observing higher zoonoses rates post COVID. Just as COVID-19, one of the worst zoonotic diseases was ebbing, monkeypox took over the headlines. According to the World Organization, monkeypox is a viral zoonotic disease, caused by monkeypox virus, recognised as the most important orthopoxvirus infection after the eradication of smallpox. But this is not the first time, zoonoses have alerted the world. Ebola, SARS, MERS, HIV, Lyme disease, Rift Valley fever and Lassa fever preceded it. A zoonosis is an infectious disease that is transmitted between species from animals to humans (or from humans to animals). In the last century, we have seen at least six major outbreaks of novel coronaviruses. A new study has revealed potential new host-virus interactions, increasing the virome, or the possible interactions between mammals and humans, by a factor of 15. Until recently, scientists were only aware of two per cent of the virome.

New study investigates the microbiomes of dogs across the world

MVC, June 30th 2022

Although the microbiome- the collection of all microbes that live in the body-in the fecal matter of dogs has been investigated extensively, those studies have mostly been limited to domesticated dogs. In a new study, researchers have sampled the fecal microbiomes across diverse geographical populations to better understand what they look like around the world.

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