

Newsletter 10/2018

meeting you there.

bring you the latest news and information about our laboratory and all tests that we can offer to all our clients.

We are pleased to welcome you to the monthly BattLab newsletter. This newsletter will

WARWICKSHIRE VETERINARY CLINICAL CLUB (WVCC)

BATTLAB AT THE LONDON VET SHOW (LVS) AND THE



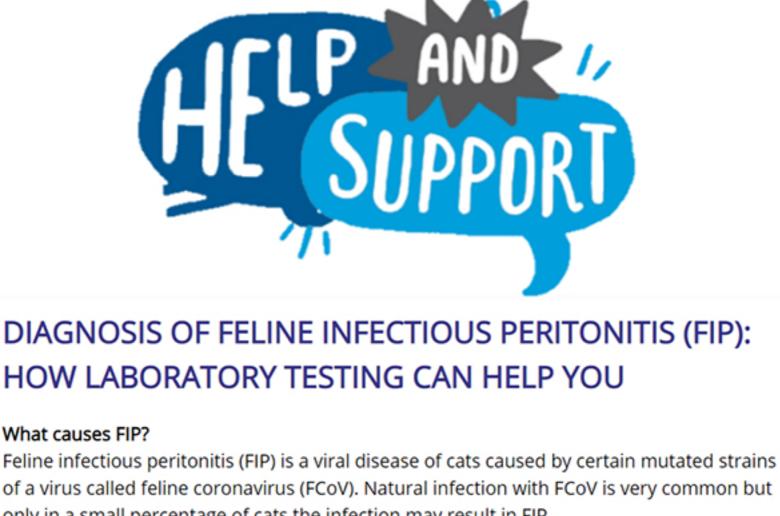
15th & 16th November 2018

BattLab will be present at the London Vet Show on the 15th and 16th of November. Come

and visit us at our stand (X36), we have a small present for you. Looking forward to



He will talk about haematology in dogs and cats and the importance of the blood smear examination. For more information or registration visit this link or just turn up for the event. More information and registration



only in a small percentage of cats the infection may result in FIP. What is the typical presentation for FIP? FIP typically manifests in young cats as a vasculopathy resulting in ('wet') effusions or less

How can we reach a definitive diagnosis? A definitive diagnosis of FIP traditionally relies on histopathological examination of tissues, usually with detection of the virus within the typical granulomatous lesions by

immunohistochemistry for FCoV antigen. A non-invasive approach is more difficult and is based on the cat's signalment and history (young age), combined with findings on clinical

commonly granuloma formation resulting in ('dry') mass lesions. Clinical signs seen in both

forms include lethargy, anorexia, weight loss, pyrexia and sometimes jaundice.

examination (cavitary effusion and/or solid intrabdominal mass like lesions) and laboratory test results (e.g. hyperglobulinaemia, low A:G ratio, and hyperbilirubinaemia in

the absence of hepatobiliary disease).

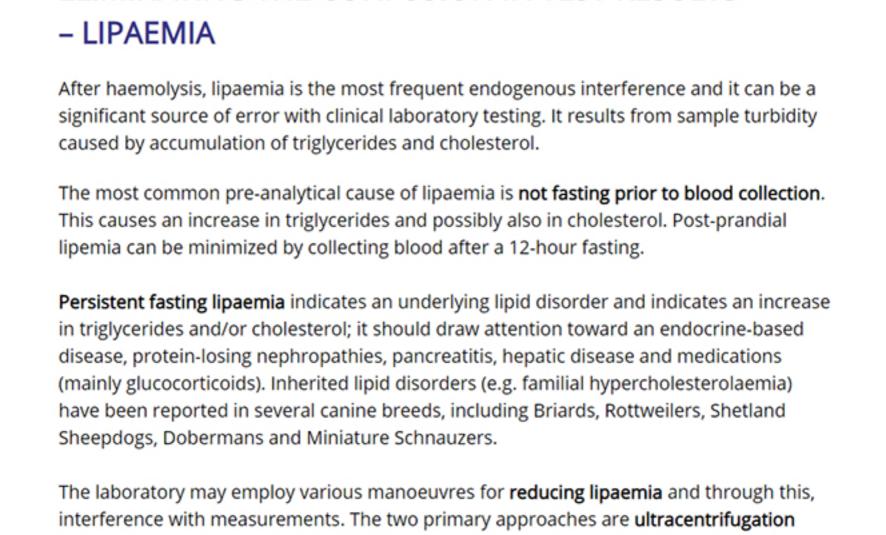
Which specialised test can be considered? Cytological analysis of any effusion sample in a suspected case of FIP is extremely helpful for diagnosis, therefore obtaining samples of effusions should always be a priority. Effusions in FIP cats have a characteristic clear, viscous, yellow appearance, with high total protein (and globulin) concentration and relatively low cell count (generally a mixture of neutrophils and macrophages).

- serology testing. For more information give us a call or check our website.
- diagnosis of FIP, in particular when correlated with appropriate clinical findings. Serology for FCoV antibodies is also available but is considered of limited use. BattLab also offers a very wide panel of tests for all domestic animals, including PCR and

Detection of FCoV by PCR, especially if present at high levels in effusions,

tissue samples, CSF and/or aqueous humour, is highly supportive of a

ELIMINATING THE CONFUSION IN TEST RESULTS



(with subsequent removal of the lipid layer) or addition of reagents to clear the lipids.

While low levels of lipaemia usually do not significantly affect clinical laboratory testing,

the presence of moderate to severe lipaemia is likely to impact laboratory analysis.

Table 1. shows the effects of lipaemia on selected biochemistry parameters (NSI = no

significant interference) and is based on the assays used at Batt Laboratories.

TIPS If the serum sample is lipaemic you may want to try some of the following tips. \bigcirc If blood tests are planned in advance, try fasting the patient beforehand for 12h Repeat sampling a couple of hours later may yield a less lipaemic sample.

yield enough clear sample between the lipid layer and red blood cells.

Table 1. Effects of lipemia on selected biochemistry parameters

Refrigeration of the sample overnight can help the separation.

Collecting and centrifuging a larger amount of blood (e.g. 3-5ml) can sometimes

Centrifugation at higher than normal speeds can also assist in clearing the layer.

- Lipaemia **Parameter Parameter** Lipaemia Albumin GGT
- ALP NSI Glucose ALT NSI Lipase
- NSI Amylase Phosphate NSI Bile acids Potassium Bilirubin Sodium Total protein Calcium Chloride Urea ļ Creatinine î Creatine kinase Fructosamine NSI NSI = no significant interference

Coventry CV4 7EZ, United Kingdom.

ou have the right to inspect your data, correct it and request its deletion.

If you do not want to receive our newsletter more, click here: Unsubscribe

024 7632 3275 www.battlab.com

Yours sincerely,

The BattLab team

Find us on f

NSI

NSI