

# Review of: "RNA in-situ hybridization for pathology-based diagnosis of feline infectious peritonitis (FIP): current diagnostics for FIP and comparison to the current gold standard"

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**Potential competing interests:** The author(s) declared that no potential competing interests exist.

Manuscript title: RNA in-situ hybridization for pathology-based diagnosis of feline infectious peritonitis (FIP): current diagnostics for FIP and comparison to the current gold standard

## Reviewer's comments

The manuscript raised an important issue, which is the comparison of gold standard IHC with RNA ISH for the accurate diagnosis of feline infectious peritonitis (FIP). In addition, a review about different detection methods and their shortcomings were illustrated clearly. Generally, the manuscript is interesting and well written except for some grammar mistakes were found throughout its sections, as mentioned below:

Page 3, line 1.... (Attempts at interpreting acute phase protein levels in the diagnosis of FIP have are associated with ...) ..... grammar mistake

Page 3, line 2.... (specificity. specificity.)..... duplicate word

Page 3, line 11 from below..... (indicator from the dry forms of the disease. )... replace from witfor

Page 5, 1<sup>st</sup> line of last paragraph.... (frequently fall short in distinguishing between the two FCoV biotypes) ... replace in with of

Page 6, last paragraph of RT-PCR...( In summary, while current PCR tests fall short in differentiating ..).. as the note above replace in with of

Page 9.... FIPV IHC-RNA ISH Comparison.....I suggest changing the title to (Comparison between IHC and RNA ISH)

The statement in the 1<sup>st</sup> line .....(RNA ISH using the Orf1ab FIPV probe was performed on the tissues of thirty unique cats) .....is not suitable for the Results section, either delete or re-write it in a different form.

The statement in the 3<sup>rd</sup> line .... (and was more diffuse throughout the examined organ...) ....not clear what do you mean with grammar mistake to be corrected...

Page 10.....(Images were taken of matching areas of tissue)....of to be replaced withfrom

Page 11.....(Images were taken of matching areas of tissue)....of to be replaced withfrom

Page 12.....(Images were taken of matching areas of tissue)....of to be replaced withfrom

Page 13.....(Images were taken of matching areas of tissue)....of to be replaced withfrom

Page 13, Discussion, last paragraph.....(FIPV staining from RNA ISH tended to match) ....from to be replaced withby

Good Luck

The reviewer