

# 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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The authors made a thorough study on the comparison of the gold standard method, IHC with a newly established RNAscope ISH method.

The manuscript is clear, well-written, and uses appropriate English language. It starts with a clear introduction and review of current knowledge on FCoV/FIP, then goes into details on the key diagnostic methods we can use currently. The authors proved, that RNAscope ISH is sensitive and specific, more sensitive than the IHC method - therefore it can be used better in clinical and research settings as well. Images seem to be free of manipulation, and they explain clearly the difference between IHC and ISH.

**Question:** in the last paragraph of Methods – RNA in situ hybridization, the authors use hematoxylin as counter-staining. Did they use an ammonia solution as well, as we can see in some protocols?

**Suggestion:** in the Discussion chapter, it would be beneficial to describe to possibility and expense of using RNAscope ISH, especially in clinical settings – as this method is yet quite expensive and maybe not be affordable to owners (or even to smaller institutions to provide this service).

With the clarification of aforementioned question and suggestion, I accept this manuscript to be published.