Reviewer's report

Title: Trientine Induced Colitis During Therapy For Wilson Disease: A Case Report and Review of the Literature

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Reviewer: Anna Czlonkowska

Reviewer's report:

The paper is interesting and worth to be published. As in all rare diseases experience with orphan drugs are scarce, serious drug adverse events should be described. Trientine in the literature is regarded as relatively safety drug in contrast d-penicillamine. This opinion is based on small clinical observations. There are not head to head studies (randomized or observational) directly comparing d-p, trientine and zinc.

However before publishing this paper some corrections are needed. Generally the paper is too long, in all chapters are repetitions. It is only one case.

More details:
Line 37-38 is incorrect .. later copper accumulate in liver and cause neuropsychiatric symptoms...

Neurological signs are due to copper accumulation in the brain. Of course hepatic encephalopathy may cause neuropsychiatric symptoms, but it is different story than neuropsychiatric form of the disease.

Line 43 – should be added with neuropsychiatric symptoms

Line 79 first should be slowness of speech, gait unsteadiness. Peri oral and finger tips parentheses are atypical for WD. Authors later do not mention what happened with these two typical for WD signs.

Patient deteriorated, only had psychiatric symptoms?. Worsening dysarthria is very typical for neuropsychiatric deterioration.

Line 98 – I do not understand what it mean – experienced side effect at very low dose? Which one?

Line 118 – here authors describe iliac pathology, figure should be placed here, not in discussion, where in fact is repetition of pathology

Line 119 – nothing about neurology

Discussion – authors should mention that psychosis could be induced by steroids. Neuropsychiatric exacerbation may occur in WD due to infection or general medical complications. Many drugs can give serious colitis – it should be mention.

Line 147-157 I do not understand . Reading this paragraph its looks that colitis was caused by infection, why whole family had gastroenteritis. End of this
paragraph is also unclear. Both d-p and trientine gave colitis.

It should be also cited recent papers:
