Reviewer's report

Title: Hydroxyurea and colonic ulcers: a case report

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Reviewer: Lajos Kiss

Reviewer's report:

The clinical case of this case report is interesting. It shows a possible association between hydroxyurea therapy and appear of colon ulceration. The article is well-proportioned the idioms of article are meet the requirements. This report have four main section: background, case presentation, discussion, conclusion.

My comments are the following:

- One month after initiation of hydroxyurea therapy in line with naproxen usage massive hemathochezia begun and periodic epigastric pain with mucous diarrhea persisted. The author advice was avoidance of naproxen, but really discarding of this therapy are unofficially on the text.

- After first colonoscopy findings the area of ulcers are thriven based on the second and third colonoscopy. These concerned parts of the bowel ancillary superior mesenteric artery and vein system, but CT angiography was not made for separation of thromboembolic disorders.

- According to authors after discontinuation of hydroxyurea therapy all GI symptoms disappeared in 2 months. The text not contains what was the gastric or bowel complain of the patient after surgery. The hydroxyurea induced stomach erosions or ulcers well known, so it may regrediated after discontinuation of hydroxyurea therapy. However, the association between colon symptoms and therapy discontinuation is not affirmable.

- Histo-pathologic findings of oro-pharyngeal ulcers shows similarity with colon ulcers, but oro-pharyngeal deviation appeared one month later when colon ulcers was eliminated by surgery. In spite of similarity the common procession is not verifiable.

- Discontinuation of hydroxyurea therapy was after colon surgery procedure, so it may not known colon ulcers would have disapperaed or not.

In summary, in this case report published appear of colon ulceration after initiation of hydroxyurea and naproxen therapy may assumable, but association between discontinuation of hydroxyurea therapy and disappear of colon ulceration are not verifiable. Because of strict correlation between medical therapy and side effect is not speakable, the case report is not proposable for acceptance.

Level of interest: An article of limited interest
Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests