

## Manuscript No. 36305-Answering Reviewers

### 1) Reviewer#1:

This is a case report of eosinophilic cholangitis treatment with budesonide. My comment is as follows. This patient has bilateral intrahepatic biliary stricture and jaundice. Please describe the indication of ERC and biliary biopsy to rule out malignancy for this disease. Why did you select the administration of budesonide at the first time in this case? Please describe it deeply and consider the dose and duration of budesonide in this disease.

### Reply to reviewer #1:

An Endoscopic Ultrasound was performed which did not show significant abnormalities hence we did not proceed with an ERCP. Besides, the intrahepatic strictures would have been too high up to reach for brushings or cell sampling. As explained in the manuscript, budesonide was chosen as it has a 90% first-pass metabolism in the liver, allowing it to reach high intrahepatic concentrations before its elimination. Theoretically, it would then be more useful for intrahepatic inflammation. Also because of the high first pass effect, it would have a lower systemic concentration and is thus less likely to cause adverse systemic side effects from steroid toxicity. The dose of 9mg once a day was chosen based on known evidence of 9mg being effective in patients with inflammatory conditions such as autoimmune hepatitis and inflammatory bowel disease. The duration of steroids was continued until there was resolution both biochemically and on imaging.

### 2) Reviewer#2

Eosinophilic cholangitis treatment with Budesonide In this case report, the authors have shared their treatment experience with budesonide in a patient with Eosinophilic Cholangitis. This case report may be important because it is the first, to treat Eosinophilic Cholangitis with budesonide. Only normal ranges of albumin, bilirubin, alkaline phosphatase, alanine aminotransferase and aspartate aminotransferase must be written in the text.

### Reply to reviewer #2:

Normal Ranges have been added.

### 3) Reviewer#3

This manuscript is well written and regarding interesting topic. It may be informative.

### Reply to reviewer #3:

Thank you for your support

4) Reviewer#4

The authors report here a case of eosinophilic cholangitis successfully treated with budesonide. This case is interesting and the manuscript is nicely written. However, I have minor suggestions to this manuscript. 1. Please add reference ranges to the biochemical results, as demonstrated in page 4 2. Please provide histopathological photograph with higher resolution to show eosinophil infiltrate

Reply to reviewer #4:

Reference ranges for normal values of biochemical results have been added. A liver biopsy photo with higher resolution has also been added.