

The authors sincerely thank all the comments from the reviewer and editor. Below are our point-to-point responses.

This is a well written comprehensive review on the role of succinate dehydrogenase deficiency, resultant oncometabolites in human cancer with focus on GIST. The review covers all aspects in detail. My main concern is title of the article, which is little confusing as even though authors mention role of SDH deficiency in human cancer with focus on GIST, the title can not convey that notion. **Some suggestions: Role of Succinate dehydrogenase deficiency and oncometabolites in Gastrointestinal stromal tumors.** Succinate dehydrogenase deficiency, oncometabolites in human cancer with focus on GIST.

- The title has been changed as suggested by the reviewer.

1 Scientific quality: This is a review of the gastrointestinal stromal tumors. The topic is within the scope of the WJG. (1) Classification: Grade C; (2) Summary of the Peer-Review Report: This is a well written comprehensive review on the role of succinate dehydrogenase deficiency, resultant oncometabolites in human cancer with focus on GIST. The review covers all aspects in detail. Role of Succinate dehydrogenase deficiency and oncometabolites in Gastrointestinal stromal tumors. Succinate dehydrogenase deficiency, oncometabolites in human cancer with focus on GIST. The questions raised by the reviewers should be answered; and (3) Format: There are 2 figures. A total of 145 references are cited, including 10 references published in the last 3 years. **The authors need to update the references.** There are 2 self-citations.

- We have tried our best to cite all the key references on the subject, which includes basic and clinical research conducted in the past two to three decades. However, as suggested by the editor, we were able to add a few additional recently published references to the revised manuscript. The newly added references are #27, 35, 56, 130, 138, and 141.

2 Language evaluation: Classification: Grade A. A language editing certificate issued by AJE was provided. 3 Academic norms and rules: The authors provided the signed Conflict-of-Interest Disclosure Form and Copyright License Agreement. No academic misconduct was found in the CrossCheck detection and Bing search. 4 Supplementary comments: This is an unsolicited manuscript. The study was performed with financial supports. The topic has not previously been published in the WJG. The corresponding

author has not published articles in the BPG. 5 Issues raised: (1) I found no “Author contribution” section. Please provide the author contributions;

➤ We included author contributions at the end of the manuscript as suggested.

(2) I found the authors did not provide the approved grant application form(s). Please upload the approved grant application form(s) or funding agency copy of any approval document(s);

➤ We included approved grant forms of the corresponding author.

(3) I found the authors did not provide the original figures. Please provide the original figure documents. Please prepare and arrange the figures using PowerPoint to ensure that all graphs or arrows or text portions can be reprocessed by the editor.

➤ We submitted the PowerPoint file of the original figures.

6 Re-Review: Required. 7 Recommendation: Conditionally accepted.