Dear editor,

Thank you very much for the comments and chance of revision. It is a great honor for us to have the opportunity to share our idea in this journal. We have tried our best to make the point-to-point reply and revision based on the reviewers' valuable comments. And if there is any problem, please do not hesitate to contact us.

Reviewer 1

1. Every review paper comes with its methodology, please add the Methodology of the paper for the same ("Literature searches" section may be renamed with Method/Methodology by adding more related information)
Thank you very much. This part has been added.

2. As a review paper, indicate study period/tenure.
It is from 2016. 01 to 2021. 01

3. The reports/narration need support in the form of tabular form by comparing (methods, data, results, limitations, etc) various related articles within the same section/sub-section/area instead of long and regular text media.
Thank you very much. The table has been added.

4. The Abstract needs major revision, only considerable information should be given concisely.
Thank you very much. It has been curtailed.

5. A review article should have challenges, solutions, and future directions. Unfortunately, the current version lacks the same. Therefore kindly reflect the same otherwise your valuable work seems weak.
Thank you very much. It has been added in the **Prospects and challenges.**

6. I have missed tabular and figures throughout, please support your comparison of various reviewed model like general review paper structure, respectively
Thank you very much. It has been added.

7. I enjoy reading your work.
Thank you

Reviewer 2

1. The novelty of this paper is not clear. Author should take care of the grammatical formatting and notations used in the manuscript. Author should enhance the quality of manuscript.
Thank you very much. Thanks for the suggestion.

2. In abstract section, the outcome of the presented work must be described briefly.
Thank you very much. It has been curtailed.

3. Motivation to conduct this research needs to be highlighted so that it will reflect proper ideas of the work done and will be useful to grab the attention of the readers.
Thank you for the suggestion. We have made some supplement.

4. Author should consider the latest papers for extensive review. The finding of the survey is missing. Analysis of work is not presented properly. Overall, this paper requires the major revision.
Thank you very much. It has been added.

Reviewer 3
Table 1 seems to be missing.
Thank you very much. It has been added

Reviewer 4
1. Make sure maximum of five keywords are listed below the abstract.
Keywords: artificial intelligence; early esophageal cancer; early gastric cancer; early colonic cancer

2. List out the contributions and the organization of the paper below the introduction paper.
They have been listed below the conclusion.

3.1. In the Introduction section, the drawbacks of each conventional technique should be described clearly.
At present AI is still in its preclinical stage with its promising perspectives and limitations. And conventional technique is still satisfactory in clinical practice.

3.2. You should emphasize the difference between other methods to clarify the position of this work further.
Actually, AI is a novel technique based on endoscopy, it can be most likely considered as a helper rather than a different method.

4. The Wide ranges of applications need to be addressed in the Introduction
We have focused on the aspect of the application of AI based on endoscopy. So, other aspects were briefly introduced.

5. Add the advantages of the proposed system in one quoted line for justifying the proposed approach in the Introduction section.
AI is a kind of algorithm. Among that, deep learning is characterized by recognizing images. Therefore, we aimed to introduce to readers and researchers with its basic information in th introduction.

6. Try to concise the conclusion.

Thank you very much. It has been curtailed.

7. Discuss the future plans with respect to the research state of progress and its limitations.

Thank you very much. They have been added in the **Prospects and challenges**.

We deeply appreciate your consideration of our manuscript. If you have any queries, please don't hesitate to contact me at the address below. We will try our best to solve the problem.
Thank you and best regards.

Sincerely yours,

Prof. Bing Hu,

Director of Endoscopy center,

West China Hospital, Sichuan University.