Specific Comments to Authors:

The study aimed to investigate the predictive value of diaphragmatic ultrasound index for mechanical ventilation outcomes in patients with acute exacerbation of chronic obstructive pulmonary disease (AECOPD). It is intriguing that they have identified diaphragm thickening fraction (DTF) can better predict the outcome of non-invasive ventilation therapy in AECOPD patients.

Comments:

1. Please notice that abbreviations must have a full name explanation when they first appear. For example, readers need to read the Methods section to understand the meaning of DTF, which greatly increases understanding barriers.

Modified reply: Thank you very much for your valuable comments on our article, we have modified and supplemented the content of this part.

2. Is there any difference between “diaphragm ultrasound” and “diaphragmatic ultrasound”? Please pay attention to the uniformity of terminology.

Modified reply: Thank you very much for your valuable comments on our article, we have modified and supplemented the content of this part.

3. If informed consent from patients is not required for this study, please specify.

Modified reply: Thank you very much for your valuable comments on our article, we have modified and supplemented the content of this part.

4. The conclusion in the abstract section is not comprehensive enough. Since the aim of this study is to explore the predictive value of diaphragmatic ultrasound index for non-invasive ventilation outcomes in patients with AECOPD, the conclusion of this study should answer this question.

Modified reply: Thank you very much for your valuable comments on our article, we have modified and supplemented the content of this part.
5. The conclusion at the end of the article is also inappropriate. “However, this study also had some limitations, such as single-center study, and small sample size, no lung volume assessment, and no dynamic assessment of diaphragm function” should not be here.

Reply: Thank you very much for your recognition and encouragement of our team's research results.

1 Scientific quality: The authors submitted a retrospective study of the value of diaphragmatic ultrasound assessment for the outcome of mechanical ventilation in patients with AECOPD. The topic is within the scope of the journal.

(1) Classification: Grade C.

(2) Summary of the Peer-Review Report: The authors study that analysis of the predictive value of diaphragmatic ultrasound assessment for the outcome of mechanical ventilation in patients with acute exacerbation of chronic obstructive pulmonary disease. It is intriguing that they have identified diaphragm thickening fraction can better predict the outcome of non-invasive ventilation therapy in AECOPD patients. The manuscript has novelty. However, this study also had some limitations, such as single-center study, and small sample size, no lung volume assessment, and no dynamic assessment of diaphragm function.

(3) References recommendations: The reviewer didn’t request the authors to cite improper references published by him/herself.

(4) Manuscript Type: After verification, the manuscript type is "Retrospective Study".

2 Specific comments

(1) Country/Territory of origin: China.

(2) The language classification is Grade B. Please visit the following website for the professional English language editing companies that we recommend: https://www.wjgnet.com/bpg/gerinfo/240.

(3) Manuscript Title: The title will concisely summarize the main topic of the study, being not overly long (no more than 18 words). Words such as ‘exploration’, ‘research’, ‘analysis’, ‘observation’, and ‘investigation’ are to be avoided. The title should not start with ‘A’, ‘An’, or ‘The’ and will not include any Arabic numbers or abbreviations. Please include the core key word in the title. If a title contains a colon, please capitalize the first letter of the first word after the colon. For example: Unexplained fetal tachycardia: A case report.

Modified reply: Thanks for your kindly reminder. We have modified it. the title is “Predictive value of diaphragm ultrasound assessment for the outcome of mechanical ventilation in patients with acute exacerbation of chronic obstructive pulmonary disease” now.
(4) **Running Title:** A short running title of no more than 6 words should be provided. Abbreviations are permitted. For example, Losurdo G et al. Two-year follow-up of HCC.

**Modified reply:** Greatly appreciate your suggestion. We have added it.

(5) **Author list.** Author names (unabbreviated) should be given as first name, middle name initial (with no period) and family (sur)name, and typed in bold with the first letter of each capitalized. A hyphen should be included between the syllables of Chinese names. For example: Yi-Fan Chang, Jia-Jing Li, Tao Liu, Chong-Qing Wei, Li-Wei Ma, Vladimir N Nikolenko, Wei-Long Chang.

**Modified reply:** Greatly appreciate your suggestion. We have added it.

(6) **Authors and institution(s):** Author names should be written out first (as first name, middle name initial (with no period) and family (sur)name; with a hyphen included between the syllables of Chinese names) and typed in bold, followed by a comma and the complete name of the affiliated institution, city, province/state, postcode and country typed in non-bold. Examples for authors name and institutions are:

**Example 1:**
Yi-Fan Chang, Tao Liu, Chong-Qing Wei, Wei-Long Chang, Department of Gastrointestinal Surgery, The First Affiliated Hospital of Zhengzhou University, Zhengzhou 450052, Henan Province, China
Jia-Jing Li, Department of Pathology, The First Affiliated Hospital of Zhengzhou University, Zhengzhou 450052, Henan Province, China

**Example 2:** In the case that one author represents two institutions, the institutions will be listed separately, as shown here:
Jin-Yu Pei, Bin Tan, Peng Liu, Guang-Hua Cao, Zu-Sen Wang, Lin-Lin Qu, Department of Hepatopancreatobiliary Surgery, The Affiliated Hospital of Qingdao University, Qingdao 266555, Shandong Province, China
Jin-Yu Pei, Peng Liu, Guang-Hua Cao, Medical College, Qingdao University, Qingdao 266071, Shandong Province, China

**Modified reply:** Greatly appreciate your suggestion. We have added it.

(6) **Author contributions:** The ‘Author contributions’ passage describes the specific contribution(s) made by each author. The author’s names will be listed in the following format: full family (sur)name, followed by abbreviated first and middle names. For example, Bryan L Copple should be revised as Copple BL. A full multi-author example is: Wang CL, Liang L, Fu JF, Zou CC, Hong F and Wu XM designed the research study; Wang CL, Zou CC, Hong F and Wu XM performed the research; Xue JZ and Lu JR contributed new reagents and
analytic tools; Wang CL, Liang L and Fu JF analyzed the data and wrote the manuscript; All authors have read and approved the final manuscript.

**Modified reply:** Greatly appreciate your suggestion. We have added it.

(7) Please upload the approved grant application form(s) or funding agency copy(ies) of any approval document(s).

**Modified reply:** Thank you very much for your valuable comments on our article, we have supplemented the content.

(8) The position of "Supported by" is incorrect. Please modify it according to the requirements of "Checklist for Authors to Revise a Manuscript".

**Modified reply:** Thank you very much for your valuable comments on our article, we have modified the content of this part.

(9) The “Key Words” does not meet the requirements Key Words: The ‘Key words’ list will provide 5-10 keywords that reflect the main content of the study. Please do not use abbreviations for the keywords (e.g., Ulcerative colitis, not UC). The first letter of each keyword will be capitalized, and each keyword will be separated by a semicolon, with no terminal period. An example of correct formatting is: Non-alcoholic fatty liver disease; Alcoholic liver disease; Non-alcoholic steatohepatitis; Insulin resistance; Oxidative stress.

**Modified reply:** Thank you very much for your valuable comments on our article, we have modified the content of this part.

(11) Please add the “Core Tip”. The Core Tip is a short paragraph that is independent of the content of the Abstract. The ‘Core Tip’ will provide a succinct summary of the study that outlines its most innovative and important arguments. This section should be less than 100 words. Abbreviations must be defined upon first appearance in the Core Tip. Do not use non-standard abbreviations, unless they appear at least two times in the text preceding the first usage/definition.

An example of correct formatting is:
In this study, CellChat was employed to infer cell-cell communication, thereby selecting highly active cell groups in immune-related pathways on single-cell RNA-sequencing data. Highly active immune cells were identified by intersecting these groups with B and T cells. Subsequently, significantly differentially expressed genes between highly active immune cells and the remaining cells were incorporated into the Lasso regression model. Ultimately, incorporating genes selected more than 5 times in 10 Lasso regression experiments into a
multivariable Cox regression model, 3 genes (stathmin 1, cofilin 1, and C-C chemokine ligand 5) significantly associated with survival were identified to construct a gene signature.

**Modified reply:** Greatly appreciate your suggestion. We have added it.

(12) **Self-cited references:** There are 10 self-cited references. The self-referencing rate should be less than 10%. Please keep the reasonable self-citations (*i.e.* those which are most closely related to the topic of the manuscript) and remove all other improper self-citations. If the authors fail to address the critical issue of self-citation, the editing process of this manuscript will be terminated.

**Modified reply:** Greatly appreciate your suggestion. We have checked the content of this part and found no self-cited literature.

(13) **Reference numbers in the main text.** The reference does not require superscripts, please modify it. The correct format is "the spleen hilum[3]".

If there are more than 3 consecutive references cited at the same time, use a "-" connection. **For example,** This condition is defined in the absence of excessive alcohol intake, other liver diseases, or the consumption of steatogenic drugs[2-4]. If there are only 2, use ",". **For example,** mitigating the risk of disease progression[10,11].

The author should number the references in Arabic numerals according to the citation order in the text.

The format of in-text citation of references should be [References Number], which should be with no space between “[ ]” and the preceding word. **Example:** The pathophysiology is thought to be due to an increased arterial flow that leads to secondary hepatocellular hyperplasia[1,2].

If the name of the author(s) of a reference is listed in the sentence, the reference number should be placed immediately after the author(s) of the reference. **Example:** Mandal *et al.*[8] proposed that retractor aponeurosis disinsertion is the most likely cause of congenital low lid entropion.

In addition, please verify the order and total number of references cited to ensure that all references in the list are cited and in a correct numeric order.

**Modified reply:** Thank you very much for your valuable comments on our article, we have modified the content of this part.

(14) **There are issues with the references:** References are not allowed to be duplicated.

Please provide the PMID numbers (https://pubmed.ncbi.nlm.nih.gov/) and DOI citation numbers (https://doi.crossref.org/simpleTextQuery) to the reference list and list all authors.
of the references. If a reference has no PMID and DOI, please provide the source website address of this reference.

To ensure the accuracy of the references, please use "Edit References by Auto-Analyser" (https://www.f6publishing.com/Forms/main/ArticleReferenceTool.aspx) to edit the references of the manuscript.

**Modified reply:** Thank you very much for your valuable comments on our article, we have modified the content of this part.

(15) **Figures.** *Original figure documents.* In the meantime, authors should 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, and upload it to the file destination of “Image File” in the F6Publishing system.

**Modified reply:** Greatly appreciate your suggestion. We have added it.

(16) **Tables.** *Authors should place Table Titles, Tables, and Table Notes in separate pages at the end of the manuscript.*

Tables must be presented in the order that they appear in the main text of the manuscript (numbered as 1, 2, 3, etc.). A brief, one-line title must be provided for each table (*The title needs to be bolded*).

Authors are required to provide standard three-line tables, that is, only the top line, bottom line, and column line are displayed, while other table lines are hidden. The contents of each cell in the table should conform to the editing specifications, and the lines of each row or column of the table should be aligned. Do not use carriage returns or spaces to replace lines or vertical lines and do not segment cell content.

The title "Table 1" or "Table 2" does not require a period to be added, and the title of the table does not have a period. For example, “Table 2 Characteristics of the studies included in the meta-analysis”.

**Modified reply:** Thank you very much for your valuable comments on our article, we have modified the content of this part.

(17) **Abstract.** An informative, structured abstract of no more than 350 words should accompany each manuscript. Abbreviations should be avoided, but if used should be spelled out at first mention. The 5 sections of the structured abstract are:

**BACKGROUND (no more than 100 words).** This section should clearly describe the rationale for the study. It should end with a statement of the specific study hypothesis.
AIM (no more than 20 words). The purpose of the study should be stated clearly, with no or minimal background information, following the format of: “To investigate/study/determine...”.

METHODS (no more than 80 words). This section should describe the materials and methods used for all of the data presented in the proceeding Results section of the abstract. This information should include the following details, as applicable: basic study design; setting, specifying the study location (e.g., primary or tertiary care setting, hospital, general community, etc.); number of participants and how they were selected; intervention, the method of administration and the duration; major statistical methods used.

RESULTS (no more than 120 words). This section should describe the key findings of the study, including absolute values and risk differences. P values should be presented where appropriate, and not for data that did not reach the threshold of statistical significance. Authors must provide relevant data to illustrate how the statistical values were obtained (e.g., $6.92 \pm 3.86$ vs $3.61 \pm 1.67$, $P < 0.001$).

CONCLUSION (no more than 30 words). This section should succinctly and cogently present the findings and implications that are within the scope of the data the authors have presented in the preceding Results section of the abstract. Authors should state only conclusions that are directly supported by the evidence presented and the implications of the findings presented. This section should be written in the present tense.

Modified reply: Thank you very much for your valuable comments on our article, we have modified the content of this part.

(18) Acknowledgements: Brief acknowledgments should be included for persons who have made genuine contributions to the manuscript and who endorse the data and conclusions. The name of commercial companies, such as English language editing companies, should not be present in this section.

Modified reply: Thank you very much for your valuable comments on our article, we have supplemented the content.

(19) When listing the sub items included in a major item in the main text, priority should be given to using numerical numbers to connect them, for example: (1); (2); and (3). The serial numbers are connected by semicolons, and the last one needs to be preceded by “and”. For example: (1) A; (2) B; (3) C; and (4) D.

Modified reply: Greatly appreciate your suggestion. We have checked and modified the content of this part.
Regarding abbreviations, please do not list them separately. Abbreviations must be defined at the first occurrence. For example, when CT first appears in the manuscript, please use the format "computed tomography (CT)". 

**Modified reply:** Greatly appreciate your suggestion. We have checked and modified the content of this part.

Policy of allowing co-first authors and co-corresponding authors who made equal contribution to a manuscript ([https://www.wjgnet.com/bpg/GerInfo/310](https://www.wjgnet.com/bpg/GerInfo/310)).

**3 Recommendation:** Conditional acceptance.

**Modified reply:** Greatly appreciate your suggestion.

Language Quality: Grade B (Minor language polishing)
Scientific Quality: Grade C (Good)

**Company Editor-in-Chief:**

I have reviewed the Peer-Review Report, full text of the manuscript, all of which have met the basic publishing requirements of the *World Journal of Clinical Cases*, and the manuscript is conditionally accepted. I have sent the manuscript to the author(s) for its revision according to the Peer-Review Report, Editorial Office’s comments and the Criteria for Manuscript Revision by Authors.

作者返修手稿建议

尊敬的作者：为了提高作者手稿的学术质量和书写格式的规范性，缩短出版周期和节省时间，以及促进手稿顺利接受和在线发表，我们强烈建议作者采取以下措施以解决返修手稿过程中的重要问题。


**第二，同行评议。**请论文润色公司，依据同行评议报告和科学编辑评论，协助作者对手稿的研究方法、数据分析和论点逻辑等进行进一步地审核，以确保手稿在学术上的正确性，协助作者解决审稿人提出的问题，并且逐条地回复审稿人的问题和建议。

**第三，作者姓名汉语拼音拼写规则。**先名后姓；首字母大写；双名之间用半字线“-”分开；多作者时姓名间加逗号。示例：“王金磊”的姓名汉语拼音拼写规则示例为 “Jin-Lei Wang”。“
第四，图片和线条图。请论文润色公司协助作者解决图片和线条图规范化的问题。图片和线条图一般由图、图号、图题和图注构成。图片全文依序编号。只有一个图片时仍应编号。示例:“图 1”“图 2”。与此同时，同一个主题内容的彩色图、黑白图、和线条图，应统一使用一个主题，并且每个子图的注解分别叙述。示例: Figure 1 Pathological changes of atrophic gastritis after treatment. A: ...; B: ...; C: ...; D: ...; E: ...; F: ...; G: ...

第五，三线表。请论文润色公司协助作者解决三线表格规范化的问题。三线表格一般由表号、表题、表头、表身和表注构成。三线表由顶线、横表头线和底线组成。表格全文依序编号。只有一个表格时仍应编号。示例:“表 1”“表 2”。


第七，学术查重。邀请论文润色公司协助作者对手稿进行学术查重。手稿一旦被编辑部判定为存在抄袭，将会被退稿。

第八，语言润色。邀请论文润色公司协助作者解决手稿中的拼写错误、语法错误、时态错误、单复数错误、标点错误和科学用词错误等等。

第九，基金资助项目批准文件。作者必须上传 PDF 格式的基金资助项目批准文件。

第十，致谢。不允许语言编辑公司名称和基金资助项目名称在致谢中出现。

最后，提交手稿。最终论文润色公司协助作者完成手稿修改，并确认手稿书写格式符合期刊作者指南（https://www.wjgnet.com/bpg/gerinfo/204）标准后提交手稿。

回复：非常感谢您的建议。我们已经按照上述要求检查了手稿并按要求进行了修改了。