**PEER-REVIEW REPORT**

**Name of journal:** World Journal of Clinical Cases  
**Manuscript NO:** 85877  
**Title:** Identification of Key Genes and Biological Pathways in Lung Adenocarcinoma by Integrated Bioinformatics Analysis  
**Provenance and peer review:** Unsolicited Manuscript; Externally peer reviewed  
**Peer-review model:** Single blind  
**Reviewer’s code:** 03982286  
**Position:** Peer Reviewer  
**Academic degree:** N/A  
**Professional title:** N/A  
**Reviewer’s Country/Territory:** Japan  
**Author’s Country/Territory:** China  
**Manuscript submission date:** 2023-05-19  
**Reviewer chosen by:** Geng-Long Liu  
**Reviewer accepted review:** 2023-06-18 10:04  
**Reviewer performed review:** 2023-06-18 10:10  
**Review time:** 1 Hour

<table>
<thead>
<tr>
<th>Scientific quality</th>
<th>[ Y] Grade A: Excellent</th>
<th>[ ] Grade B: Very good</th>
<th>[ ] Grade C: Good</th>
<th>[ ] Grade D: Fair</th>
<th>[ ] Grade E: Do not publish</th>
</tr>
</thead>
<tbody>
<tr>
<td>Novelty of this manuscript</td>
<td>[ ] Grade A: Excellent</td>
<td>[ Y] Grade B: Good</td>
<td>[ ] Grade C: Fair</td>
<td>[ ] Grade D: No novelty</td>
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<tr>
<td>Creativity or innovation of this manuscript</td>
<td>[ ] Grade A: Excellent</td>
<td>[ Y] Grade B: Good</td>
<td>[ ] Grade C: Fair</td>
<td>[ ] Grade D: No creativity or innovation</td>
<td></td>
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</tbody>
</table>
### Scientific significance of the conclusion in this manuscript

- [ ] Grade A: Excellent
- [ Y] Grade B: Good
- [ ] Grade C: Fair
- [ ] Grade D: No scientific significance

### Language quality

- [ ] Grade A: Priority publishing
- [ Y] Grade B: Minor language polishing
- [ ] Grade C: A great deal of language polishing
- [ ] Grade D: Rejection

### Conclusion

- [ ] Accept (High priority)
- [ ] Accept (General priority)
- [ ] Minor revision
- [ Y] Major revision
- [ ] Rejection

### Re-review

- [ ] Yes
- [ Y] No

### Peer-reviewer statements

- Peer-Review: [ Y] Anonymous
- [ ] Onymous
- Conflicts-of-Interest: [ ] Yes
- [ Y] No

### SPECIFIC COMMENTS TO AUTHORS

The authors review the gene expression of lung adenocarcinoma. The manuscript is written. However, I some concerns to discuss. -Is the review narrative or systematic? -How about gene expression in metastasis? Please discuss referring the following article. Lung Adenocarcinoma Presenting as a Soft Tissue Metastasis to the Shoulder: A Case Report. Medicina (Kaunas). 2021 Feb 20;57(2):181. doi: 10.3390/medicina57020181. PMID: 33672554; PMCID: PMC7923794.
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Title: Identification of Key Genes and Biological Pathways in Lung Adenocarcinoma by Integrated Bioinformatics Analysis

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind
Reviewer’s code: 03769070
Position: Editorial Board
Academic degree: PhD
Professional title: Professor
Reviewer’s Country/Territory: Brazil
Author’s Country/Territory: China
Manuscript submission date: 2023-05-19
Reviewer chosen by: Geng-Long Liu
Reviewer accepted review: 2023-06-17 13:53
Reviewer performed review: 2023-06-20 22:36
Review time: 3 Days and 8 Hours

Scientific quality

| Grade A: Excellent | Grade B: Very good | Grade C: Good |
| Grade D: Fair | Grade E: Do not publish |

Novelty of this manuscript

| Grade A: Excellent | Grade B: Good | Grade C: Fair |
| Grade D: No novelty |

Creativity or innovation of this manuscript

| Grade A: Excellent | Grade B: Good | Grade C: Fair |
| Grade D: No creativity or innovation |
**SPECIFIC COMMENTS TO AUTHORS**

Manuscript ID: 85877 - World Journal of Clinical Cases Manuscript Title: Identification of Key Genes and Biological Pathways in Lung Adenocarcinoma by Integrated Bioinformatics Analysis

Dear authors, The study is interesting and it was well conducted. In order to contribute to the improvement of the manuscript, some suggestions are proposed according to the Guideline for Basic study:

1. Please note that the manuscript must be prepared using 12 pt Book Antiqua font. Do not use superscript numbers or symbols to identify the authors' affiliation;
2. ORCID number of the authors is required;
3. In the abstract, in RESULTS, the authors state that “The low expression of these genes was associated with poor prognosis in LUAD”. Wouldn't it be the increase of expression?

Best regards