

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Hepatology

**Manuscript NO:** 36923

**Title:** METABOLOMICS: FROM LIVER CHIROMANCY TO PERSONALIZED PRECISION MEDICINE IN ADVANCED CHRONIC LIVER DISEASE

**Reviewer's code:** 01808862

**Reviewer's country:** Italy

**Science editor:** Ke Chen

**Date sent for review:** 2017-10-29

**Date reviewed:** 2017-11-01

**Review time:** 3 Days

| CLASSIFICATION                                    | LANGUAGE EVALUATION   | SCIENTIFIC MISCONDUCT                          | CONCLUSION   |
|---|---|--|--|
| <input type="checkbox"/> Grade A: Excellent       | <input type="checkbox"/> Grade A: Priority publishing                 | Google Search:                                 | <input checked="" type="checkbox"/> Accept             |
| <input type="checkbox"/> Grade B: Very good       | <input checked="" type="checkbox"/> Grade B: Minor language polishing | <input type="checkbox"/> The same title        | <input type="checkbox"/> High priority for publication |
| <input checked="" type="checkbox"/> Grade C: Good |   | <input type="checkbox"/> Duplicate publication |  |
| <input type="checkbox"/> Grade D: Fair            | <input type="checkbox"/> Grade C: A great deal of language polishing  | <input type="checkbox"/> Plagiarism            | <input type="checkbox"/> Rejection                     |
| <input type="checkbox"/> Grade E: Poor            |   | <input checked="" type="checkbox"/> No         | <input type="checkbox"/> Minor revision                |
|   | <input type="checkbox"/> Grade D: Rejected                            | BPG Search:                                    | <input type="checkbox"/> Major revision                |
|   |   | <input type="checkbox"/> The same title        |  |
|   |   | <input type="checkbox"/> Duplicate publication |  |
|   |   | <input type="checkbox"/> Plagiarism            |  |
|   |   | <input checked="" type="checkbox"/> No         |  |

### COMMENTS TO AUTHORS

This is a good paper, offering some interesting point of discussion. I believe that the paper might be accepted in its present form

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**Manuscript NO:** 36923

**Title:** METABOLOMICS: FROM LIVER CHIROMANCY TO PERSONALIZED PRECISION MEDICINE IN ADVANCED CHRONIC LIVER DISEASE

**Reviewer's code:** 03388095

**Reviewer's country:** Reviewer\_Country

**Science editor:** Ke Chen

**Date sent for review:** 2017-10-29

**Date reviewed:** 2017-11-09

**Review time:** 11 Days

| CLASSIFICATION   | LANGUAGE EVALUATION   | SCIENTIFIC MISCONDUCT                          | CONCLUSION   |
|--|---|--|--|
| <input type="checkbox"/> Grade A: Excellent            | <input type="checkbox"/> Grade A: Priority publishing                 | Google Search:                                 | <input type="checkbox"/> [ Y] Accept                       |
| <input checked="" type="checkbox"/> Grade B: Very good | <input checked="" type="checkbox"/> Grade B: Minor language polishing | <input type="checkbox"/> The same title        | <input type="checkbox"/> [ ] High priority for publication |
| <input type="checkbox"/> Grade C: Good                 |   | <input type="checkbox"/> Duplicate publication |  |
| <input type="checkbox"/> Grade D: Fair                 | <input type="checkbox"/> Grade C: A great deal of language polishing  | <input type="checkbox"/> Plagiarism            | <input type="checkbox"/> [ ] Rejection                     |
| <input type="checkbox"/> Grade E: Poor                 |   | <input checked="" type="checkbox"/> [ Y] No    | <input type="checkbox"/> [ ] Minor revision                |
|  | <input type="checkbox"/> Grade D: Rejected                            | BPG Search:                                    | <input type="checkbox"/> [ ] Major revision                |
|  |   | <input type="checkbox"/> The same title        |  |
|  |   | <input type="checkbox"/> Duplicate publication |  |
|  |   | <input type="checkbox"/> Plagiarism            |  |
|  |   | <input checked="" type="checkbox"/> [ Y] No    |  |

### COMMENTS TO AUTHORS

This is a comprehensive, very up to date review on several very challenging topics in advanced chronic liver diseases. The review is well written, although scattered misspelling or other errors can be found.

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**Name of journal:** World Journal of Hepatology

**Manuscript NO:** 36923

**Title:** METABOLOMICS: FROM LIVER CHIROMANCY TO PERSONALIZED PRECISION MEDICINE IN ADVANCED CHRONIC LIVER DISEASE

**Reviewer's code:** 02861379

**Reviewer's country:** China

**Science editor:** Ke Chen

**Date sent for review:** 2017-10-29

**Date reviewed:** 2017-11-17

**Review time:** 19 Days

| CLASSIFICATION                                    | LANGUAGE EVALUATION   | SCIENTIFIC MISCONDUCT                          | CONCLUSION   |
|---|---|--|--|
| <input type="checkbox"/> Grade A: Excellent       | <input type="checkbox"/> Grade A: Priority publishing                 | Google Search:                                 | <input type="checkbox"/> Accept                        |
| <input type="checkbox"/> Grade B: Very good       | <input checked="" type="checkbox"/> Grade B: Minor language polishing | <input type="checkbox"/> The same title        | <input type="checkbox"/> High priority for publication |
| <input type="checkbox"/> Grade C: Good            |   | <input type="checkbox"/> Duplicate publication |  |
| <input type="checkbox"/> Grade D: Fair            | <input type="checkbox"/> Grade C: A great deal of language polishing  | <input type="checkbox"/> Plagiarism            | <input checked="" type="checkbox"/> Rejection          |
| <input checked="" type="checkbox"/> Grade E: Poor | <input type="checkbox"/> Grade D: Rejected                            | <input checked="" type="checkbox"/> No         | <input type="checkbox"/> Minor revision                |
|   |   | BPG Search:                                    | <input type="checkbox"/> Major revision                |
|   |   | <input type="checkbox"/> The same title        |  |
|   |   | <input type="checkbox"/> Duplicate publication |  |
|   |   | <input type="checkbox"/> Plagiarism            |  |
|   |   | <input checked="" type="checkbox"/> No         |  |

## COMMENTS TO AUTHORS

Comments for Manuscript ID 36923: In a general, this study is tolerable, the study is interesting to some extent. This study is to summarize and analyze the existing evidences of metabolomics use in advanced chronic liver diseases, decompensated liver cirrhosis, severe alcoholic hepatitis and HCC. However, several issues are needed to be clarified (see below). 1. This manuscript is a Preliminary revision of manuscripts and there are a lot of modifications in the manuscript. So suggest that the manuscript will be submitted in the final version. If it will be submitted again next time. 2. This manuscript listed a lot existing biomarker of metabolomics use in advanced chronic liver diseases. However, the biomarker analysis of each liver disease is not comprehensive and thorough. For example, for the Metabolomics and hepatocellular carcinoma, Lack of



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up-to-date research about early markers for diagnosis and prognosis of hepatocellular carcinoma(Xu RH, Wei W, Krawczyk M etal. Circulating tumour DNA methylation markers for diagnosis and prognosis of hepatocellular carcinoma. Nat Mater. 2017 Nov;16(11):1155-1161.) 3. As for prognosis of acute-on-chronic liver failure, as everyone knows, acute-on-chronic liver failure is a dynamic syndrome observed in cirrhotic patients either with or without an identified precipitating factor characterized by hepatic and or extrahepatic organ failures and high mortality. So the prognosis of acute-on-chronic liver failure should depend on multiple Metabolomics biomarkers and the diagnostic and prognostic criteria, such as CANONIC study and MELD Score and so on. The papers did not analyze these prognostic scoring systems in detail and Comparison. 4. Finally, this study has not concluded future research priorities and Prospects in detail.