

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 59883

Title: Chronic myelomonocytic leukemia-associated pulmonary alveolar proteinosis: A case report and review of literature

Reviewer's code: 03087279

Position: Peer Reviewer

Academic degree: PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: Greece

Author's Country/Territory: China

Manuscript submission date: 2020-10-16

Reviewer chosen by: Jin-Lei Wang

Reviewer accepted review: 2020-11-18 09:12

Reviewer performed review: 2020-11-21 09:17

Review time: 3 Days

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The report of Can Chen et al. with the title “Chronic myelomonocytic leukemia associated pulmonary alveolar proteinosis: A case report and review of the literature” is an informative study which aims to highlight the correlation between PAP and CMML and to contribute to improvements in clinical practice. However, there are several issues, as explained below:

- **Introduction:** The whole text seems extremely general and it is recommended that more information be added. Specifically, it is suggested to provide epidemiological data, clinical manifestations for the Pulmonary Alveolar Proteinosis (PAP) and the range of symptoms. In addition, the mechanistic basis for congenital PAP and sPAP it would be good to explain more and give more information. Moreover, no information is given about MDS which is extensively referenced in the part “Discussion”. Lastly, “...Macrophages develop from monocyte precursors, consistent with the etiology of CMML and sPAP being associated with mononuclear cell abnormalities...” , is the only correlation between CMML and sPAP?
- **Laboratory examinations:** It is suggested that a brief reference made to the way in which the experiments were carried out.
- **Conclusion:** “...No predictive models are currently available to gauge the risk of PAP development, and genetic analyses of GATA2 may offer value as a means of more precisely diagnosing underlying hematological conditions in affected patients...” It is strongly recommended to the authors to include the future research perspectives, in order to support the conclusion of this report.
- **The language of the manuscript** needs improvement.