

PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 57873

Title: Eighty-year-old man with rare chronic neutrophilic leukemia caused by *CSF3R* T618I mutation: A case report and review of literature

Reviewer's code: 03290315

Position: Peer Reviewer

Academic degree: PhD

Professional title: Senior Scientist

Reviewer's Country/Territory: Ireland

Author's Country/Territory: China

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Reviewer chosen by: AI Technique

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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 Grade E: Do not publish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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Yaping Lee and colleagues present a case report highlighting the difficulties in the differential diagnosis of chronic neutrophilic leukemia. The article is generally well written and falls within the scope of the journal. However, this reviewer has several minor suggestions that require addressing and would possibly improve the manuscript.

1. More emphasis should be placed on the presenting clinical features with more discussion on the absence of splenomegaly and hypofibrinogenemia. The presence of two CSF3R mutations is worth emphasizing more in the discussion such as how many other cases of CNL have 2 CSF3R mutations? 2. In the abstract the phrase "myelodysplastic hyperactivity" is incorrect as there was no myeloid dysplasia. Do the authors mean neutrophilic hyperactivity? 3. In the introduction, the authors state that the increase in mature neutrophils is for unknown reasons. This is incorrect as the majority of CNL cases harbor CSF3R mutations. 4. Would change the words "larvae" in the bone marrow morphology section and "protozoan" in the discussion. These are not hematological terms and refer to something completely different. 5. It appears that CSF3R mutations were determined by Sanger sequencing. State this method in relevant section. 6. Suggest that the three CSF3R mutations could be displayed in a Table rather than included in the text. 7. Importantly, what dose of hydroxyurea was used and for how long? 8. How long is the follow up and survival? 9. In the discussion the authors state "no platelet change" yet the patient had a thrombocytopenia of $102 \times 10^9/L$.