

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 74437

Title: Development of plasma cell dyscrasias in a patient with chronic myeloid leukemia:
A case report

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06140330

Position: Peer Reviewer

Academic degree: MD

Professional title: Associate Professor

Reviewer's Country/Territory: United States

Author's Country/Territory: China

Manuscript submission date: 2021-12-23

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-12-29 09:38

Reviewer performed review: 2022-01-18 23:49

Review time: 20 Days and 14 Hours

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|--------------------|---|
| Scientific quality | <input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input 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 Grade E: Do not publish |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 |



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| 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

This is an interesting case report of the co-occurrence of chronic myeloid leukemia and plasma cell dyscrasias in a 48-year-old man. The case report is described in detail, and well discussed. Minor comments: (1) Please change the Chinese words in the figure to English. (2) Please make a minor editing for the language.

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Reviewer's code: 06059399

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Japan

Author's Country/Territory: China

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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 |
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SPECIFIC COMMENTS TO AUTHORS

Plasma cell dyscrasias are a rare heterogeneous group of hematological disorders, which include monoclonal gammopathy of undetermined significance, multiple myeloma, systemic AL amyloidosis, polyneuropathy, organomegaly, endocrinopathy, M-protein, skin changes syndrome. The origin of the cells is distinctly different in chronic myeloid leukemia and plasma cell dyscrasias. There were several cases of coexistence of chronic myeloid leukemia and multiple myeloma. However, there was few distinctive report about the evolution from monoclonal gammopathy of undetermined significance to smoldering multiple myeloma and to multiple myeloma in patients with chronic myeloid leukemia complicated with plasma cell dyscrasias. In this study, the authors reported a interesting case of developed monoclonal gammopathy of undetermined significance which progressed to smoldering multiple myeloma and eventually to multiple myeloma while being treated with dasatinib for chronic myeloid leukemia. The case is very interesting, and well discussed. The treatment and follow up is good. It shows that the tyrosine kinase inhibitors and cytogenetic change are thought to potentially contribute to his disease progression. The manuscript is very well written. The reviewer suggest to accept it after a minor editing. No specific comments.