

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Gastrointestinal Oncology*

**Manuscript NO:** 77717

**Title:** Disseminated carcinomatosis of the bone marrow caused by granulocyte colony-stimulating factor: A case report and review of literature

**Provenance and peer review:** Unsolicited manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 03017840

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

**Reviewer's Country/Territory:** China

**Author's Country/Territory:** Japan

**Manuscript submission date:** 2022-05-21

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-05-23 08:15

**Reviewer performed review:** 2022-05-24 02:39

**Review time:** 18 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" 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 Grade E: Do not publish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 type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input checked="" type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

<b>Peer-reviewer statements</b>	Peer-Review: [ <input checked="" type="radio"/> ] Anonymous [ <input type="radio"/> ] Onymous Conflicts-of-Interest: [ <input type="radio"/> ] Yes [ <input checked="" type="radio"/> ] No
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## SPECIFIC COMMENTS TO AUTHORS

In this study the authors introduced a case report with disseminated carcinomatosis of the bone marrow from early gastric cancer, which appeared to be interesting. However, there are some specific points needed to be carefully considered. 1.The authors suggested that recurrence presenting as DCBM was caused by the potential of G-CSF administration, while the only evidence was a diffuse positive staining for the G-CSF receptor (G-CSFR) in the relapsed gastric cancer cell cytoplasm of the autopsied bone marrow and negative staining for G-CSFR of primary lesion cancer cells. The causal relation is too weak and more evidences need to be added . 2.Methotrexate, fluorouracil and calcium folinate were prepormed as first-line palliative chemotherapy regimen after diagnosis, however methotrexate was not the standard treatment as first-line therapy. The authors need to explaine that.

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**Reviewer's code:** 03739881

**Position:** Peer Reviewer

**Academic degree:** Doctor

**Professional title:** Chief Doctor

**Reviewer's Country/Territory:** China

**Author's Country/Territory:** Japan

**Manuscript submission date:** 2022-05-21

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-05-21 04:48

**Reviewer performed review:** 2022-05-25 07:01

**Review time:** 4 Days and 2 Hours

<b>Scientific quality</b>	[ <input checked="" type="radio"/> ] Grade A: Excellent [ <input type="radio"/> ] Grade B: Very good [ <input type="radio"/> ] Grade C: Good [ <input type="radio"/> ] Grade D: Fair [ <input type="radio"/> ] Grade E: Do not publish
<b>Language quality</b>	[ <input checked="" type="radio"/> ] Grade A: Priority publishing [ <input type="radio"/> ] Grade B: Minor language polishing [ <input type="radio"/> ] Grade C: A great deal of language polishing [ <input type="radio"/> ] Grade D: Rejection
<b>Conclusion</b>	[ <input checked="" type="radio"/> ] Accept (High priority) [ <input type="radio"/> ] Accept (General priority) [ <input type="radio"/> ] Minor revision [ <input type="radio"/> ] Major revision [ <input type="radio"/> ] Rejection
<b>Re-review</b>	[ <input checked="" type="radio"/> ] Yes [ <input type="radio"/> ] No

<b>Peer-reviewer statements</b>	Peer-Review: [ <input checked="" type="checkbox"/> ] Anonymous [ <input type="checkbox"/> ] Onymous Conflicts-of-Interest: [ <input type="checkbox"/> ] Yes [ <input checked="" type="checkbox"/> ] No
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#### **SPECIFIC COMMENTS TO AUTHORS**

This case report describes A 55-year-old Japanese woman diagnosed as disseminated carcinomatosis of the bone marrow (DCBM) who cured from early gastric cancer caused by granulocyte colony-stimulating factor. In this case report G-CSFR staining was negative in the primary lesion but was diffusely positive in the relapsed lesion. G-CSF can promote the growth of solid tumors not only through G-CSFR on tumor cells but also by modulating immune cell activities or bone remodeling. So that G-CSF administration should be performed carefully in patients who have a preceding cancer. This case report state a rare case about G-CSF could induce cancer recurrence even after curative treatment. It should be watchful for clinicians.

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**Peer-review model:** Single blind

**Reviewer's code:** 05842368

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

**Reviewer's Country/Territory:** China

**Author's Country/Territory:** Japan

**Manuscript submission date:** 2022-05-21

**Reviewer chosen by:** Dong-Mei Wang

**Reviewer accepted review:** 2022-06-07 05:51

**Reviewer performed review:** 2022-06-20 06:55

**Review time:** 13 Days and 1 Hour

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

<b>Peer-reviewer statements</b>	Peer-Review: [ <input checked="" type="radio"/> ] Anonymous [ <input type="radio"/> ] Onymous Conflicts-of-Interest: [ <input type="radio"/> ] Yes [ <input checked="" type="radio"/> ] No
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#### **SPECIFIC COMMENTS TO AUTHORS**

This case report described a patient who suffered from disseminated bone marrow carcinomatosis that originated from a cured early gastric adenocarcinoma 8 years ago after a recent multiple G-CSF administrations for neutropenia induced by postoperative radiotherapy and chemotherapy for a second primary Ewing sarcoma diagnosed six years after gastrectomy. The case per se is very meaningful and a good reminder for clinical doctors. Leukopenia and neutropenia is very common during chemotherapy, so when doctors prescribe this drug in the future, should be more cautious, especially in gastric cancer. Additionally, G-CSF/ G-CSFR may need to be stained for risk predicting. Besides, the narrative is clear and smooth, and the discussion is reasonable.