



**PEER-REVIEW REPORT**

**Name of journal:** *World Journal of Clinical Cases*

**Manuscript NO:** 81313

**Title:** Acute pancreatitis as the initial presentation of acute myeloid leukemia (AML-M2 subtype): A case report

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

**Peer-review model:** Single blind

**Reviewer’s code:** 05655782

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Doctor, Professor

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

**Author’s Country/Territory:** China

**Manuscript submission date:** 2022-11-10

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-11-10 03:47

**Reviewer performed review:** 2022-11-10 09:26

**Review time:** 5 Hours

<b>Scientific quality</b>	<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 Grade E: Do not publish
<b>Language quality</b>	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<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
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



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<b>Peer-reviewer statements</b>	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**

This case reports a rare case of acute pancreatitis with initial manifestation and final diagnosis of AML. AP is the extramedullary infiltration of AML. However, we hope to see the hematological examination results before and after AML diagnosis, whether the patient has regular follow-up. We have seen the CT diagnosis of pancreatitis, but there is no abdominal enhanced CT after AML treatment. Please add that the patient's treatment plan for pancreatitis in the text.



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**Peer-review model:** Single blind

**Reviewer's code:** 06275221

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Director

**Reviewer's Country/Territory:** United States

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

**Manuscript submission date:** 2022-11-10

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-11-10 10:31

**Reviewer performed review:** 2022-11-10 10:43

**Review time:** 1 Hour

<b>Scientific quality</b>	<input checked="" type="checkbox"/> Grade A: Excellent <input 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
<b>Language quality</b>	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input checked="" type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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<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

### **SPECIFIC COMMENTS TO AUTHORS**

Nicely described case, looked at all possible etiologies and ruled those out with explanation. Discussed possible mechanism how AML can cause acute pancreatitis.



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**Peer-review model:** Single blind

**Reviewer's code:** 05937432

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Chief Doctor

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

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

**Manuscript submission date:** 2022-11-10

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-11-10 10:12

**Reviewer performed review:** 2022-11-10 14:58

**Review time:** 4 Hours

<b>Scientific quality</b>	<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
<b>Language quality</b>	<input type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input checked="" type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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

### **SPECIFIC COMMENTS TO AUTHORS**

Extramedullary infiltration of myeloid leukemia cells can occur in any organs, more frequently infiltrating the subcutaneous tissues, gingiva, lungs, reticuloendothelial system, gastrointestinal tract, among others. Isolated organomegaly does little harm to patients' lives. However, if the granuloma is present in sites that induce severe dysfunction of vital organs, it could be life-threatening. The authors reported a patients with acute myeloid leukemia (AML-M2 subtype) who initially presented with diffuse pancreatitis. This is a rare event to be reported and worthy to be recorded in the literature. Awareness of the underlying etiology is of importance in the option of treatment strategy. 1.The title should be more succinct as possible and highlights the result of the study. I make a suggested title as "Acute pancreatitis as the initial presentation of acute myeloid leukemia (AML-M2 subtype): A case report " 2.The abdominal CT showed diffuse pancreatitis. However, the site of the infiltrating lesion was not showed. Carefully review the CT images and you may find the infiltrating lesion. 3.You should describe which laboratory data suggested the presence of hematological diseases. This is the reason for you to perform specific laboratory examinations. 4.The diagnosis of leukemia is based on morphological, immunological, cytogenetic and molecular biological (MICM) analyses. Please complete the laboratory data. The identification of t(8;21) (q22;q22) translocation in cytogenetic analysis and AML::RUNX-1 fused gene in molecular biological analysis is the definitive diagnosis of AML-M2. If the immunological, cytogenetic and molecular biological (MICM) analyses were not performed, please describe the reasons. 5.In the pictures of morphological examinations, please describe the morphological features of marrow smears and blood



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smears, respectively. The increased hematopoietic progenitors were myeloblasts not progranulocytes. An increase in the percentage of progranulocytes with large granules that cover the nuclei is the morphological feature of AML-M3. In addition, the English needs further polishing in order to correctively express the meanings you want to express.