

REVIEWER'S REPORT

Manuscript No.: IJAR-58599

Title: Synchronous Association of Acute Myeloid Leukemia with Minimal Differentiation (AML-M0) and Multiple Myeloma: A Case Report and Literature Review

Recommendation:

- Accept as it is
- ✓ Accept after minor revision.....
- Accept after major revision
- Do not accept (*Reasons below*)

Rating	Excel.	Good	Fair	Poor
Originality		✓		
Techn. Quality		✓		
Clarity		✓		
Significance	✓			

Reviewer Name: Dr S. K. Nath

Detailed Reviewer's Report

Strength of the study:

- The manuscript reports a very rare and clinically significant hematological association
- Clinical presentation and diagnostic workup are clearly described
- Bone marrow morphology and flow cytometry findings support the diagnosis
- The discussion is supported by relevant and recent literature
- The case highlights important diagnostic challenges
- The manuscript has educational value for clinicians and hematopathologists
- The conclusions are consistent with the reported findings

Weakness of the study:

- Ethical approval and patient consent should be stated more clearly
- Cytogenetic and molecular investigations were not available
- The report describes only a single patient, limiting generalization
- Clinical follow up could not be presented because of the unfavorable outcome
- Minor grammatical and formatting inconsistencies require correction
- Some discussion points could be more concise
- Additional imaging or laboratory data would strengthen the report

Reviewers Comments:

This manuscript presents a rare and informative case of synchronous acute myeloid leukemia with minimal differentiation and multiple myeloma in a patient without previous cytotoxic therapy. The case is well documented and emphasizes the importance of combining bone marrow morphology with flow cytometry for accurate diagnosis. The discussion is comprehensive and compares the findings with previously published reports, highlighting the rarity and clinical relevance of this condition. The manuscript is generally well written, although minor grammatical and formatting corrections would improve readability. Ethical considerations should be addressed more clearly by explicitly stating patient consent for publication and institutional ethical approval or explaining if approval was not required for this case report. The absence of cytogenetic and molecular analyses is an acknowledged limitation but does not reduce the educational value of the report. Overall, this is a valuable contribution to the literature and provides useful clinical insights into a rare hematological entity. The manuscript is suitable for publication after minor revision.

Previously Published anywhere/Plagiarism check:

The manuscript appears to be an original case report with an accompanying literature review, and no obvious evidence of previous publication or duplicated content was identified during review. Proper references have been cited throughout the manuscript. A routine plagiarism similarity check by the journal is recommended before publication to confirm originality and compliance with publication ethics.