

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		Good		
Techn. Quality	Excellent			
Clarity	Excellent			
Significance	Excellent			

Reviewer's ID: Dr. Sumathi

Detailed Reviewer's Report

1. Acute myeloid leukemia (AML) is a fast-growing cancer of the blood and bone marrow characterized by fever, fatigue, and easy bleeding. It occurs when abnormal white blood cells crowd out healthy blood cells, requiring rapid medical evaluation and treatment.
2. Multiple myeloma is a rare cancer of the plasma cells that affects the bone marrow, bones, and kidneys. It causes abnormal plasma cells to multiply, crowd out healthy blood cells, and produce faulty proteins called M proteins.
3. Flow cytometry is a fast laboratory method that measures the physical and chemical traits of single cells or particles using fluidics, optics, and electronics. Cells in a liquid stream pass single file through a laser beam, where scattered light and fluorescent tags reveal their size, internal complexity, and biomarkers.
4. Immunophenotyping is a laboratory technique that uses antibodies to identify cells based on specific antigens or markers on their surface, in their cytoplasm, or in their nucleus. It is most commonly performed via flow cytometry to diagnose leukemias and lymphomas, evaluate immune system disorders, and track cellular responses.

REVIEWER'S REPORT

5. A dual hematological malignancy means a person has two separate, unrelated blood cancers at the same time or one after another. These can involve combinations of myeloid and lymphoid cell lines, such as chronic myeloid leukemia paired with lymphoma, or multiple myeloma occurring with acute leukemia.
6. A bone marrow diagnosis is typically made through a combination of bone marrow aspiration and biopsy. In this procedure, your doctor numbs the skin and hip bone (posterior iliac crest), then inserts specialized needles to draw a liquid marrow sample (aspirate) and a small, solid core of tissue (biopsy) to evaluate blood cell production and detect diseases.
7. A synchronous association of acute myeloid leukemia (AML) means a patient is diagnosed with AML at the same time as another separate cancer or blood disorder, such as multiple myeloma, chronic lymphocytic leukemia (CLL), or solid tumors like breast cancer, without prior chemotherapy exposure. This dual occurrence is very rare and usually presents significant challenges for diagnosis and treatment.
8. a rare subtype of blood cancer. It accounts for less than 5% of cases. The immature blast cells look unspecialized under a standard microscope.
9. Key words and abstract are awesome.
10. In Result part histopathology pictures are significant.
11. Summary points also be added.
12. References should be with alphabetical order.
13. After those changes good to publish in your journal.