

Review Form 1.6

Journal Name:	International Research Journal of Oncology
Manuscript Number:	Ms_IRJO_83989
Title of the Manuscript:	Multiparameter Flow Cytometry Immunophenotyping for the Identification of Smoldering Multiple Myeloma: A Case Report
Type of the Article	Case report

General guideline for Peer Review process:

This journal’s peer review policy states that **NO** manuscript should be rejected only on the basis of ‘**lack of Novelty**’, provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalirjo.com/index.php/IRJO/editorial-policy>)

PART 1: Review Comments

	Reviewer’s comment	Author’s comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	<p>1. Smoldering multiple myeloma is asymptomatic without having :CRAB" features- anemia, renal failure, bone lesions, hypercalcemia.</p> <p>This patient presented with symptoms and the author specifically mentions that he had anemia with Hb of 9.2gm%. This fundamentally offsets the diagnostic terminology of SMM. If not attributable to myeloma - the author is supposed to give an alternate cause for the anemia.</p> <p>2. As part of diagnostic work up - a detailed skeletal survey as per standard recommendation is missing in this case. Ideally one will have to do MRI protocol or even PET CT if available. This will pick up more skeletal lesions and will upstage the diagnosis to myeloma.</p> <p>3. The percentage of bone marrow plasma cell is more than 60% here and as per the flow cytometric parameters definitely more than 10%. Patient is having anemia, work up for bone lesions is incomplete- Based on this labelling him as having SMM and not having myeloma is not reasonable.</p> <p>3. There is no high risk cytogenetic features as stated by the authors, however patient was treated as per myeloma protocol. This shows that probably the physician took it as myeloma. There is no consensus between clinician and pathologist.</p> <p>Over all labelling this case as Smoldering myeloma based on multiparameter flow cytometry is wrong. The better diagnostic term would be myeloma.</p>	<p>The cause of anemia was malena which has been corrected in the manuscript and highlighted in yellow.</p> <p>MRI was done and has been corrected in the manuscript highlighted in yellow.</p> <p>In this case report, MFC analysis revealed a distinct population of cells of which more than 20% cells were expressing both CD138 and CD38 that represent neoplastic plasma cells. But bone marrow study morphologically revealed more than 60% plasma cells. This study showed that multiparametric flow cytometry can accurately distinguish and quantitate neoplastic bone marrow plasma cells thereby can differentiate smoldering multiple myeloma from multiple myeloma.</p> <p>The patient was treated as per myeloma protocol to halt progression to multiple myeloma thereby reducing the morbidity.</p>
Minor REVISION comments		

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Optional/General comments		
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PART 2:

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	