

Review Form 1.6

Journal Name:	Journal of Pharmaceutical Research International
Manuscript Number:	Ms_JPRI_84211
Title of the Manuscript:	Comparative study between bone marrow- mesenchymal stem cells and adipose tissue- mesenchymal stem cells in restoration of male fertility
Type of the Article	Original Research Article

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.journaljpri.com/index.php/JPRI/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)
<u>Compulsory</u> REVISION comments		
<u>Minor</u> REVISION comments	<p>In summary, we found that transplanted MSCs were accepted by the testis of host infertile rats. MSCs injected into testicular seminiferous tubules were capable of differentiating into all kinds of germinal cells. Interestingly,</p> <p>COMPETING INTERESTS DISCLAIMER:</p> <p>Complete this sentence in Discussion section at Page 37(Marked by Red) .</p> <p>All the corrections are marked by red.</p>	
<u>Optional/General</u> comments	<p>The main aim of this research was to assess the efficacy of BM-MSCs(bone marrow- mesenchymal stem cells) and AT-MSCs (adipose tissue- mesenchymal stem cells)in treating busulfan-induced azoospermia in wistar rats. BM-MSCs were extracted from the femur bones of five adult Wistar rats and AT-MSCs from preperitoneal adipose tissue. They were then evaluated for morphology, MSC markers, osteogenic and adipogenic differentiation. BM-MSCs and AT-MSCs were shown to be beneficial in treating azoospermia in the wistar rat model, restoring fertility to busulfan-induced azoospermic animals after MSC transplantation. As a result, this discovery may create the circumstances for the future use of MSCs in the treatment of human azoospermia,although more research should be conducted to confirm the findings.</p> <p>Manuscript is very well written, language is good, figures and tables are correlated. Recommended for publication in the Journal.</p>	

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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?	(If yes, Kindly please write down the ethical issues here in details)	

Reviewer Details:

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