



PEER-REVIEW REPORT

Name of journal: World Journal of Experimental Medicine

Manuscript NO: 52935

Title: Isolation and identification of adipose-derived stromal/stem cells from breast cancer patients after exposure neoadjuvant chemotherapy

Reviewer’s code: 00532996

Position: Editorial Board

Academic degree: BSc, MSc, PhD

Professional title: Assistant Professor, Research Scientist, Senior Scientist

Reviewer’s country: India

Author’s country: United States

Manuscript submission date: 2019-12-09

Reviewer chosen by: AI Technique

Reviewer accepted review: 2019-12-09 08:01

Reviewer performed review: 2019-12-15 17:19

Review time: 6 Days and 9 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input checked="" type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input checked="" type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer’s expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input checked="" type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No



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SPECIFIC COMMENTS TO AUTHORS

Current study has focused on evaluating *in vitro*, the cellular functions of Adipose stem cells (ASC) after exposure to three commonly utilized clinical chemotherapeutic agents: 5-fluorouracil (5-FU), Doxorubicin (DXR), and cyclophosphamide (Cytoxan), Authors address important issue to determine whether the number and function of ASCs viability was affected in the presence of these agents commonly used in neoadjuvant chemotherapies, and also studied patterns of recovery after withdrawal of these chemotherapeutic drugs in culture. Findings are important for those in relevant field. Introduction, results and discussion sections are well written. However, manuscript needs major language revision. Alongwith ASC, it would be interesting to evaluate comparative sensitivity of breast cancer cells from tumor tissue to chemotherapeutic drugs 5-FU, DXR and Cytoxan. If authors have studied any immunomodulatory activity of ASC may be provided to strengthen the data. Few errors as shown below need to be addressed. 1. Pg10. Word Results to be rectified to 'Results'. 2.Pg 28 Table 1 and pg 29 Figure 1 show discrepancy in patient number before neoadjuvant chemotherapy (NAC) and after NAC. 3. Pg 32, Figure 4 : Microscopic image of undifferentiated ASC belongs to -NAC or + NAC group in both top and lower panel. Details need to be clarified and undifferentiated ASC controls need to be for each differentiated image. Scale bar or magnification needs to be mentioned. 4. Pg 32, Figure 4: Lipoprotein lipase seems to be overexpressed (copy ratio upto 10000) in ASC before after NAC therapy. Appropriate justification may be included in discussion. 5. Pg 33 and 34 Figures 5 and 6: It is not clear ASC were obtained from -NAC or +NAC breast tissue. Appropriate details need to be mentioned. All suggested corrections need to be addressed before manuscript is accepted for publication.



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Name of journal: World Journal of Experimental Medicine

Manuscript NO: 52935

Title: Isolation and identification of adipose-derived stromal/stem cells from breast cancer patients after exposure neoadjuvant chemotherapy

Reviewer's code: 03122873

Position: Peer Reviewer

Academic degree: DSc, FRCS (Ed), MBBS

Professional title: Academic Research, Director, Doctor, Professor

Reviewer's country: China

Author's country: United States

Manuscript submission date: 2019-12-09

Reviewer chosen by: AI Technique

Reviewer accepted review: 2019-12-16 03:26

Reviewer performed review: 2019-12-18 02:53

Review time: 1 Day and 23 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
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<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input checked="" type="checkbox"/> Onymous
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			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
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SPECIFIC COMMENTS TO AUTHORS

1. Title: The title is too specific and unnecessarily clinical. 2. Abstract: Yes, the abstract summarize and reflect the work described in the manuscript. 3. Keywords: Too cumbersome 4. Background: No. There is too much assumption about the study's clinical value. 5. Methods: Yes, the manuscript describe methods is in adequate detail. 6. Results: The study is mainly experiential. The results do not lead to clinical application. 7. Discussion: The study was focused on breast related fat cells under a divergent influences, viz with cancer, without cancer/ with different chemotherapy at unknown dosages. The clinical value is doubtful. 8. Illustrations and tables: Good 9. Biostatistics: / 10. Units: / 11. References: Good 12. Quality of manuscript organization and presentation: Needs language improvement. 13. Research methods and reporting: The report refers to laboratory work only. 14. Ethics statements: Acceptable
Comments to Authors: First: Original finding are different types of fat cells related to the breast with or without cancer. Observations are real. Implications are very limited. Second: There should be no assumption of real clinical value.

INITIAL REVIEW OF THE MANUSCRIPT

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RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Position: Editorial Board

Academic degree: BSc, MSc, PhD

Professional title: Assistant Professor, Research Scientist, Senior Scientist

Reviewer’s country: India

Author’s country: United States

Manuscript submission date: 2019-12-09

Reviewer chosen by: Ze-Mao Gong

Reviewer accepted review: 2020-03-16 05:09

Reviewer performed review: 2020-03-18 11:46

Review time: 2 Days and 6 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input checked="" type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer’s expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
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			Conflicts-of-Interest:
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SPECIFIC COMMENTS TO AUTHORS

Manuscript needs language revision. 1. Statements “Compared to the no receiving NAC patients, the numbers of ASCs yield were not altered in patients after received NAC treatment. The proliferation rates of ASCs from received NAC patients were also not effected upon cultured in vitro” can be rephrased to “The yield of ASCs didn’t alter much after NAC treatment of patients. Moreover, the proliferation rates of ASCs derived from patients didn’t differ much before and after NACs upon in vitro culture “ 2. Phrase in entire manuscript “NAC patients or no-receiving NAC patients” can be changed to “patients receiving NAC or not-receiving NAC”

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