



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
<https://www.wjgnet.com>

PEER-REVIEW REPORT

Name of journal: *World Journal of Experimental Medicine*

Manuscript NO: 86933

Title: Altered Expression of miR-125a and Dysregulated Cytokines in Systemic Lupus Erythematosus: Unveiling Diagnostic and Prognostic Markers

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 02968018

Position: Peer Reviewer

Academic degree: PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Brazil

Author's Country/Territory: Iran

Manuscript submission date: 2023-07-14

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-08-27 17:30

Reviewer performed review: 2023-09-01 02:23

Review time: 4 Days and 8 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Novelty of this manuscript	<input checked="" type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation



Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The authors present a well-written paper of clinical interest. The subject falls within the scope of the journal. Overall, the paper is well-written and contains useful information. The description and discussion of the findings were well done and well-founded. The bibliography is pertinent and current. Minor modifications have been required. Excerpts that deserve special attention in terms of writing were drawn in yellow. Include the suggested references. I would only suggest include disease duration and duration of the treatment in the statistical analysis. Include also: Concerning the relation of TNF- α to different SLE clinical manifestations, only patients with CNS involvement have significantly higher TNF- α levels than those without CNS involvement. the serum TNF- α level is significantly raised in lupus patients in general, and in patients with NPPE in particular. There is also a significant increase in TNF- α levels in patients with multiple focal pattern hypoperfusion, which is the most frequent SPECT pattern in NPPE patients Bassel K El-Zorkany and others, Tumor necrosis factor-alpha and neuropsychiatric lupus erythematosus: relation to single photon emission computed tomography findings, Modern Rheumatology, Volume 13, Issue 3, 1 September 2003,



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Pages 250–255, Diffusion tensor imaging (DTI) is based on the measurement of water diffusion through cellular compartments. In this scenario, DTI could be an imaging biomarker of NPSLE and a promise tool to be correlated with TNF- α levels. Postal M, Lapa AT, Reis F, Rittner L, Appenzeller S. Magnetic resonance imaging in neuropsychiatric systemic lupus erythematosus: current state of the art and novel approaches. *Lupus*. 2017 Apr;26(5):517-521.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: *World Journal of Experimental Medicine*

Manuscript NO: 86933

Title: Altered Expression of miR-125a and Dysregulated Cytokines in Systemic Lupus Erythematosus: Unveiling Diagnostic and Prognostic Markers

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Reviewer's code: 02968018

Position: Peer Reviewer

Academic degree: PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Brazil

Author's Country/Territory: Iran

Manuscript submission date: 2023-07-14

Reviewer chosen by: Ji-Hong Liu

Reviewer accepted review: 2023-09-19 00:32

Reviewer performed review: 2023-09-20 01:29

Review time: 1 Day

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



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statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

All suggested changes are incorporated