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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 Grade E: Do not publish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



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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 NPLe 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 NPLe 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,

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

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: 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