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PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 75804

Title: Identification of potential key molecular and signaling pathways for psoriasis based on weighted gene co-expression network analysis

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05378296
Position: Peer Reviewer
Academic degree: MD, PhD
Professional title: Associate Professor
Reviewer's Country/Territory: Romania
Author's Country/Territory: China

Manuscript submission date: 2022-02-17

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-02-19 14:33

Reviewer performed review: 2022-02-28 15:10

Review time: 9 Days

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [ ] Minor revision [Y] Major revision [ ] Rejection
Re-review	[Y] Yes [ ] No

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Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Psoriasis is a chronic, immune-mediated inflammatory skin disease, with a multifactorial etiology and important immunologic, genetic and environmental components. MicroRNAs are small non-coding RNA molecules involved in RNA-silencing and the post-transcriptional regulation of gene expression, which also appears to mediate the immune dysfunction in psoriasis. Recently, extensive investigations in this field were made, but the exact involvement of miRNAs in psoriasis still have remained unelucidated. In this context, the research topic is very relevant and the study was well planned and carried out. To improve the manuscript, we recommended: - In the Abstract, kindly expand the context of the research topic - In the Introduction and Discussion section the authors should provide data related to other mi-RNA which maintains skin inflammation in psoriasis patients, such as miR-31 and miR-146 (correlated with the expression of IL-17 and that enhances the production of inflammatory cytokines and chemokines via TNF-α). Furthermore, the role of miR-203, miR-99, miR-125, and miR-197 that control the proliferation and migration of keratinocytes is poorly described in the same sections. - Authors should explain the ''lncRNAs'' abbreviation in the main text - English grammar and spell check is required.

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Reviewer's code: 05146264
Position: Associate Editor
Academic degree: MBBS, MD

Professional title: Assistant Professor, Research Assistant Professor

Reviewer's Country/Territory: India

Author's Country/Territory: China

Manuscript submission date: 2022-02-17

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-03-15 15:48

Reviewer performed review: 2022-03-22 12:59

Review time: 6 Days and 21 Hours

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [Y] Minor revision [ ] Major revision [ ] Rejection
Re-review	[ ] Yes [Y] No

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Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Dear Authors, Thank you for submitting the manuscript for review. The manuscript is unique and well written, it definitely adds information to the existing literature. It will open new doors to understand the pathogenesis of Psoriasis in the future. Language can be modified before final acreptance of the manuscript.