

Review Form 1.6

Journal Name:	Journal of Advances in Medicine and Medical Research
Manuscript Number:	Ms_JAMMR_84297
Title of the Manuscript:	Expression of CD127 suppresses T regulatory cells in psoriasis
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.journaljammr.com/index.php/JAMMR/editorial-policy>)

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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)
Compulsory REVISION comments	<p>In their manuscript "Expression of CD127 suppresses T regulatory cells in psoriasis", Authors present a study to demonstrate functional status of Treg cells in peripheral blood of psoriasis patient, to analyze their association with disease severity and duration, serum IL-17 level and IL-23R gene polymorphism to observe relationship with susceptibility to psoriasis. The design of this paper is reasonable. The point is worth further study. While the premise is intriguing, novel and technically valid and sound, I believe that major alterations and additions are required for the manuscript to be ready for publication:</p> <p>I think there is a big problem. The sample size included in this article is too small (fewer than 100 cases and controls), so I have doubts about its statistical efficacy and serious doubts about its results. If the author can carry out a complete statistical performance power analysis, it is worth considering again.</p>	<p>Sample calculation was performed by $n = \frac{(\sigma_1^2 + \sigma_2^2) \left(z_{1-\frac{\alpha}{2}} + z_{1-\beta} \right)^2}{\Delta^2}$</p> <p>Here, n = Sample size, σ_1 = Standard deviation for case, σ_2 = Standard deviation for control, Δ = Difference between the mean value of case and control, $z_{1-\frac{\alpha}{2}} = 1.96$ for 5% level of significance and $z_{1-\beta} = 0.842$ (From Z table) at 80% power.</p> <p>Here, for serum level of IL-23, $\sigma_1 = 7.83$; $\sigma_2 = 3.11$; $\Delta = 8.33 - 3.13 = 5.20$ (Pirowska <i>et al.</i>, 2018). So,</p> $n = \frac{(7.83^2 + 3.11^2) (1.96 + 0.842)^2}{(5.23)^2}$ $= \frac{(61.31 + 9.67) (7.85)}{27.04}$ $= \frac{557.193}{27.04}$ $= 20.60$ ≈ 21 <p>However, we took 35 number of patients from each group to cover more population and want to minimize the bias of result.</p>
Minor REVISION comments	I recommend that the authors should organize their language more carefully and make their writing more professional.	The language and writing has been corrected as recommended.
Optional/General comments		

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)	