

Pada tanggal Jum, 5 Apr 2019 pukul 15.39 Prof. Dr Mirko Spiroski <[mspiroski@mjms.mk](mailto:mspiroski@mjms.mk)> menulis:

Vivi Sofia, Moch. Saiful Bachri, Rizki Rahmadian:

We have reached a decision regarding your submission to Open Access Macedonian Journal of Medical Sciences, "The Influence Of Mesenchymal Stem Cell Wharton Jelly Toward Prostaglandin E2 Gene Expression on Synoviocyte Cell Osteoarthritis".

Our decision is to: revise your manuscript until April 15, 2019.

Prof. Dr Mirko Spiroski  
Open Access Macedonian Journal of Medical Sciences, Rajko Zhinzifov No. 48,1000 Skopje  
[mspiroski@mjms.mk](mailto:mspiroski@mjms.mk)

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Reviewer C:  
Recommendation: Revisions Required  
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**Recommendation**

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Would you be willing to review a revision of this manuscript?

Yes

Comments to the Author

I have a few suggest and questions

- The ethical clearance should have been accepted
- the article should consistency of terminology
- in method how to consider 105 cells in each treatment?
- Is this Fetal Bovine serum not contain any hormones like lactogen placenta which could impact the cell culture and results?
- the high  $\Delta Cq$  value of the **PGE2** gene in the osteoarthritis synoviocyte control group are representing the lower expression of the **PGE2** gene

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Reviewer E:

Recommendation: Revisions Required  
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**Recommendation**

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7 dari 8

**Would you be willing to review a revision of this manuscript?**

Yes

Comments to the Author

Respected,  
because of some typos in the text, and reference style not fitting with the journal's style, a minor revision is required before publication.

Best regards

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Cordially,  
Prof. Dr Mirko Spiroski  
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Cordially,  
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Vivi Sofia, Moch. S...

Balas | Teruskan

Gmail interface showing an email from vivi sofia to Dr. Mirko Spiroski regarding manuscript revisions for 'The Influence Of Mesenchymal Stem Cell Wharton Jelly Toward Prostaglandin E2 Gene Expression on Synoviocyte Cell Osteoarthritis'.

**vivi sofia** <sofiavivi396@gmail.com>  
kepada Dr

Dear Prof. Dr. Mirko Spiroski  
I want to revise to manuscript entitled "The Influence Of Mesenchymal Stem Cell Wharton Jelly Toward Prostaglandin E2 Gene Expression on Synoviocyte Cell Osteoarthritis".

Here I attach some improvements to my article:

1. PAGE 1 ON THE NAME CO-AUTHOR RIZKI RAHMADIAN become ENDRINALDI ENDRINALDI.
2. PAGE 2 ON MATERIAL AND METHOD I ATTACHED ETHICAL CLEARANCE.
3. PAGE 2 ON CREATED TERMS FOR ALREADY EQUATED.
4. PAGE 2 ON WRITING THE NUMBER OF CELLS ARE CORRECTED FROM 105 become 10<sup>5</sup>.
5. FBS does not contain anything containing any hormones like the placenta lactogen only serum for cows which functions as a nutrient for MSC and synoviocytes.
6. DELTA CQ PGE2 RETURNED WITH PGE2 GEN EXPRESSION. THE RESULTS ARE OBTAINED FROM THERE WERE LIVAK FORMS ON THE ARTICLES. SO IT WAS GREAT, CQ, THEN THE VALUE OF THE EXPRESSION WILL BE SMALL.

The measurement of gene concentration in this study was relative quantification method (Livak-Schmittgen, 2001)

$$\Delta C_T \text{ experiment} = C_{T \text{ experiment target}} - C_{T \text{ experiment housekeeping}}$$
$$\Delta C_T \text{ control} = C_{T \text{ control target}} - C_{T \text{ control housekeeping}}$$
$$\Delta \Delta C_T \text{ experiment} = \Delta C_T \text{ experiment} - \Delta C_T \text{ control}$$

The comparison of gene expression levels =  $2^{-\Delta \Delta C_T}$ .