

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Biological Chemistry*

**Manuscript NO:** 74322

**Title:** Progesterone in gender-affirming therapy of trans women

**Provenance and peer review:** Invited manuscript; externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 05244179

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

**Reviewer's Country/Territory:** India

**Author's Country/Territory:** Greece

**Manuscript submission date:** 2021-12-20

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-01-06 06:35

**Reviewer performed review:** 2022-01-07 06:01

**Review time:** 23 Hours

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer</b>	Peer-Review: <input type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous



**Baishideng  
Publishing  
Group**

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

statements

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

#### **SPECIFIC COMMENTS TO AUTHORS**

The article doesn't bring clarity for the role of Progesterone in gender-affirming therapy of trans women, as the title suggests. Description of progesterone role in trans women needs detailing, at present more focus is on progesterone role in general. The conclusion should specify the article's contribution towards existing literature with recent references.

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**Provenance and peer review:** Invited manuscript; externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 05720477

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Academic Research, Doctor

**Reviewer's Country/Territory:** Italy

**Author's Country/Territory:** Greece

**Manuscript submission date:** 2021-12-20

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-01-09 11:54

**Reviewer performed review:** 2022-01-09 14:04

**Review time:** 2 Hours

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
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<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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7041 Koll Center Parkway, Suite  
160, Pleasanton, CA 94566, USA  
**Telephone:** +1-925-399-1568  
**E-mail:** bpgoffice@wjgnet.com  
<https://www.wjgnet.com>

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

#### **SPECIFIC COMMENTS TO AUTHORS**

Dear Authors, I read your scientific contribution with great pleasure and attention. This is a minireview on the state of the art of the use of micronized P4, starting from a recapitulation of the main functions that this hormone, and more generally, progestogens, have and perform at a physiological level. I believe that, although the manuscript does not add essentially anything new to what is already known, presenting it as a minireview is, in fact, correct, and this may still be of interest to the readers of the World Journal of Biochemistry. I don't think I have any particular advice as the work is well conducted, structured and written.