

PEER-REVIEW REPORT

Name of journal: *World Journal of Psychiatry*

Manuscript NO: 88761

Title: Keep in mind sex differences when prescribing psychotropic drugs

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 00784262

Position: Editorial Board

Academic degree: DSc, FRCP (C), MD

Professional title: Emeritus Professor, Professor Emerita

Reviewer's Country/Territory: Canada

Author's Country/Territory: Italy

Manuscript submission date: 2023-10-08

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-10-15 01:54

Reviewer performed review: 2023-10-15 02:35

Review time: 1 Hour

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 Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" 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 type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" 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 type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

This is an editorial warning clinicians to note differences in pharmacokinetics and pharmacodynamics between men and women when prescribing and monitoring psychoactive drug. It is a well written and cogent paper on an important topic. questions: "Women largest users of psychoactive drugs" This depends on the drugs in question. It is true, however, that women use the most number of different drugs, which complicates things because of interactions and protein binding. This needs to be noted. "Women have most side effects" This is true but moderated by readiness to report, pain threshold, nature of the side effect, adherence to prescription, therapeutic alliance, genetic differences. What is meant by "get sick differently?" "tendency to accumulate drugs" depends if they're lipophilic or not I don't think women use antipsychotics more than men - what is the reference? "On the other hand" (hand omitted) Many statement have no reference. If there is a limit to the number of citations allowed, try to find reviews that contain many of the points stated. It is also possible in an editorial to say "In my opinion..." Some of the references seem dated - there are very many papers on this topic - perhaps limit references to last 2-3 years. I do not find the illustrations helpful. Examples

of psychoactive drugs that require different doses in men and women would be helpful. Please emphasize that differences apply to men and women ON AVERAGE and not necessarily to individuals who differ on age, bodybuild, genetics, gut microbes that metabolize drugs, tendency to report side effects etc.

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Peer-review model: Single blind

Reviewer's code: 06000750

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Oman

Author's Country/Territory: Italy

Manuscript submission date: 2023-10-08

Reviewer chosen by: Yu-Lu Chen

Reviewer accepted review: 2023-11-25 07:06

Reviewer performed review: 2023-11-25 07:54

Review time: 1 Hour

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 type="checkbox"/> Grade A: Excellent <input checked="" 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

Scientific significance of the conclusion in 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 scientific significance
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Re-review	<input type="checkbox"/> Yes <input checked="" 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

Dear authors, Thank you for giving me the opportunity to review an interesting topic written as an editorial entitled: keep in mind sex differences when prescribing psychotropic drugs. The editorial discusses the importance of considering sex differences in the prescription of psychotropic drug, noting that women are the majority of patients with psychiatric diagnoses and the largest users of psychotropic drugs. It emphasizes the need for sex-specific research to optimize treatment efficacy and safety. Here are some suggestions for improvement: Abstract: • please check some spelling mistakes that I specified in the main document. Introduction: • Check some grammar mistakes. • There is no need to abbreviate CNS as it has been used only two times in the text. • The opening sentence of the first and second paragraphs are too long, consider making them more concise. Woman and psychoactive drugs: future perspectives of research • Sometimes the authors used psychotropic sometimes psychoactive. Be consistent with using one term if they are used interchangeable. If you want to highlight the difference, the two words needs to be explained so reader can better understand. General remarks • There are two figures in this editorial which were not refer to in the

text. Please consider referring to the figures.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Professional title: Emeritus Professor, Professor Emerita

Reviewer's Country/Territory: Canada

Author's Country/Territory: Italy

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Review time: 1 Hour

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 type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
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



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: office@baishideng.com
https://www.wjgnet.com

SPECIFIC COMMENTS TO AUTHORS

This editorial continues to be a valuable contribution. 1. There needs to be a very careful overhaul of the English, including misspellings but also inappropriate wording and sentence structure. This includes abstract, core tip, and text. 2. The main differences between men and women in drug kinetics disappear at menopause. This needs to be underscored. 3. The recommendations are not clear. What is the recommendation to practising physicians? What is the recommendation to the medical school curriculum? What is the recommendation for researchers? What is the recommendation for treatment guidelines? Are there recommendations for patients?