

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Clinical Cases

**Manuscript NO:** 65119

**Title:** Nutrition, nutritional deficiencies, and schizophrenia: an association worthy of constant reassessment

**Reviewer's code:** 02548382

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Professor

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

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

**Manuscript submission date:** 2021-02-28

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-02-28 12:31

**Reviewer performed review:** 2021-02-28 15:17

**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 Grade E: Do not publish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
<b>Conclusion</b>	<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
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	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**

Few observations. Intro: "Since these period, studies have continued", --> "Since this period, studies have continued". 1.2. "heuristic approach to understanding schizophrenia phenomenology and response to management" ---> "heuristic approach to understanding the symptomatology of schizophrenia and response to management". Phenomenology can confound readers acquainted with Jaspers' terminology. 1.2.1. "is higher in schizophrenics compared to the general population" ---> "is higher in patients with schizophrenia compared to the general population", it is more politically correct. "that are characterized by the elevation" ---> "that are characterised by the elevation", you wrote in beautiful British English, why turn it to American? Further on, "have also been recognized" ---> "have also been recognised", same reason. A bit further, "a higher incidence of metabolic syndrome in schizophrenics compared to the general population; this has been attributed in part to poor eating habits and possibly side-effects of pharmacotherapy". ---> "a higher incidence of metabolic syndrome in patients with schizophrenia compared to the general population; this has been attributed in part to poor eating habits, to genetic factors, and possible side-effects of pharmacotherapy". Change schizophrenics into patients with schizophrenia throughout the entire text. 1.2.1.1. "dopamine, norepinephrine, serotonin" ---> "dopamine, noradrenaline, serotonin". "during early phases of brain developmental" --> "during early phases of brain development". 2.0 "While the DASH diet which was designed by National Institute of Health funded researchers in the 1990s to aid in the prevention and treatment of high blood pressure, and has also become effective in lowering blood cholesterol levels." ---> "While the DASH diet which was designed by National Institute of Health funded researchers in the 1990s to aid in the prevention and treatment of high blood pressure, it was also shown to be effective in lowering blood cholesterol levels."

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Clinical Cases

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**Title:** Nutrition, nutritional deficiencies, and schizophrenia: an association worthy of constant reassessment

**Reviewer's code:** 03075520

**Position:** Peer Reviewer

**Academic degree:** MD, MSc

**Professional title:** Chief Doctor, Professor

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

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

**Manuscript submission date:** 2021-02-28

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-03-01 04:54

**Reviewer performed review:** 2021-03-08 10:11

**Review time:** 7 Days and 5 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 checked="" type="checkbox"/> Grade A: Priority publishing <input 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 statements</b>	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

Reviewers' comments Manuscript

ID::65119 Title:Nutrition, nutritional deficiencies, and schizophrenia: an association worthy of constant reassessment Comments: Schizophrenia is a mental health disorder that occurs worldwide, cutting across cultures, socioeconomic groups, and geographical barriers. Understanding the details of the neurochemical basis of schizophrenia, factors that contribute to it and possible measures for intervention are areas of ongoing research. In recent times, research is beginning to show nutrition may play a possibly significant role in schizophrenia; however, while attempts had been made to examine this possible relationship from different angles, articles addressing it from a holistic point of view are not common. In this review the authors examine existing scientific literature dealing with the possible relationship between nutrition and schizophrenia with a view to elucidating the impact of diet, nutritional deficiencies and excesses on the aetiology, progression, management and outcome of schizophrenia. Secondly, the effect of nutritional supplements in prevention, as sole therapy, or adjuncts in schizophrenia management would be examined. It is a topic of interest to the researchers in the related areas , but the paper needs large improvements before acceptance for publication.My detailed comments are as follows: 1.In this review, the authors examine existing scientific literature dealing with the possible relationship between nutrition and schizophrenia with a view to elucidating the impact of diet, nutritional deficiencies and excesses on the aetiology, progression, management and outcome of schizophrenia. Secondly, the effect of nutritional supplements in prevention, as sole therapy, or adjuncts in schizophrenia management would be examined 2. The authors review the advances in nutrition in mental health and disease,pathophysiology of schizophrenia,diet and nutritional factors in schizophrenia



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pathogenesis, and nutrition in schizophrenia therapy, but the part of 1.2.1.1 Mechanisms through which nutrition and nutritional factors influence schizophrenia pathophysiology and the part of 2.2 nutritional supplements as therapeutic targets or adjuncts in schizophrenia are not well discussed combined with references and should make large modifications. 3. The conclusion should be concise and only summarize the most important contribution of the research in two or three sentences. 4. The references are not up-to-date, references of the last 10 years should be cited, please cite last 10 years references, especially references for the last 5 years. Please make large revisions of conclusion and the references, especially in the parts of 1.2.1.1 and 2.2. After making large revisions, the paper may be considered for publication.

## RE-REVIEW REPORT OF REVISED MANUSCRIPT

**Name of journal:** World Journal of Clinical Cases

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**Title:** Nutrition, nutritional deficiencies, and schizophrenia: an association worthy of constant reassessment

**Reviewer's code:** 03075520

**Position:** Peer Reviewer

**Academic degree:** MD, MSc

**Professional title:** Chief Doctor, Professor

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

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

**Manuscript submission date:** 2021-02-28

**Reviewer chosen by:** Man Liu

**Reviewer accepted review:** 2021-05-07 14:27

**Reviewer performed review:** 2021-05-07 14:58

**Review time:** 1 Hour

<b>Scientific quality</b>	<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
<b>Language quality</b>	<input checked="" type="checkbox"/> Grade A: Priority publishing <input 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 checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Peer-reviewer statements</b>	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



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World Journal of Clinical Cases REVIEWER' COMMENTS

Manuscript NO: 65119 Manuscript Title: Nutrition, nutritional deficiencies, and schizophrenia: an association worthy of constant reassessment REVIEWER'

COMMENTS: Schizophrenia is a mental health disorder that occurs worldwide, cutting across cultures, socioeconomic groups, and geographical barriers. Understanding the details of the neurochemical basis of schizophrenia, factors that contribute to it, and possible measures for intervention are areas of ongoing research. In recent times, research is beginning to show nutrition may play a possibly significant role in schizophrenia; however, while attempts had been made to examine this possible relationship from different angles, articles addressing it from a holistic point of view are not common. In this review, we examine existing scientific literature dealing with the possible relationship between nutrition and schizophrenia, with a view to elucidating the impact of diet, nutritional deficiencies and excesses on the aetiology, progression, management and outcome of schizophrenia. Secondly, the effect of nutritional supplements in prevention, as sole therapy, or adjuncts in schizophrenia management would be examined. It is a topic of interest to the researchers in the related areas, my detailed comments are as follows: 1. the introduction, materials and methods in the paper work very well, especially Dietary intervention as a therapeutic target in schizophrenia and mechanisms through which nutrition and nutritional factors influence schizophrenia pathophysiology. 2. Results are good, and the figures are clear 3. The language is fluent 4. The references are not up-to-date, references of the last 10 years should be cited, please cite last 10 years references, especially references for the last 5 years, and there are too many references, please abbreviate to 60 references at most. Please make minor revisions, especially in the parts of references. After making minor revisions, the paper may be considered for publication.