

## PEER-REVIEW REPORT

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

**Manuscript NO:** 79026

**Title:** Overlap of diabetic ketoacidosis and hyperosmolar hyperglycemic state

**Provenance and peer review:** Invited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 03547306

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

**Author's Country/Territory:** United States

**Manuscript submission date:** 2022-07-28

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-07-28 22:56

**Reviewer performed review:** 2022-07-28 22:58

**Review time:** 1 Hour

<b>Scientific quality</b>	<input checked="" type="checkbox"/> Grade A: Excellent <input 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 Grade E: Do not publish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 checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Peer-reviewer</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



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statements

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

## SPECIFIC COMMENTS TO AUTHORS

very nice

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**Title:** Overlap of diabetic ketoacidosis and hyperosmolar hyperglycemic state

**Provenance and peer review:** Invited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 05631502

**Position:** Peer Reviewer

**Academic degree:** BSc, MBBS, MD

**Professional title:** Academic Editor, Academic Fellow, Academic Research, Doctor

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

**Author's Country/Territory:** United States

**Manuscript submission date:** 2022-07-28

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-08-12 02:46

**Reviewer performed review:** 2022-08-14 15:43

**Review time:** 2 Days and 12 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 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</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous

statements

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

## SPECIFIC COMMENTS TO AUTHORS

Review Report I would like to thank the authors to write this mini-review and the editorial team to send it over to me for a critical peer review. Please find my suggestions on this manuscript as below:

- Type 1 diabetes patients are more likely to experience DKA than type 2 from noncompliance to therapy, but infection, trauma, or acute coronary syndrome can also trigger it. Although this statement is true but incomplete. T2DM is much more prevalent than T1DM (8.5% compared to 0.5% prevalence of T1D), and due to this fact although T1D has a stronger association with DKA, T2D patients are more commonly encountered with DKA in emergency and medical wards. It would be nice to shed light on this fact. Xu G, Liu B, Sun Y, Du Y, Snetselaar LG, et al. Prevalence of diagnosed type 1 and type 2 diabetes among US adults in 2016 and 2017: population based study. *BMJ*. 2018;362:k1497. doi: 10.1136/bmj.k1497
- Contrary to what authors suggest, I donot agree that EuDKA is a diagnosis of exclusion. Excluding what exactly. I believe a working definition has been used multiple times in studies. Peters AL, Buschur EO, Buse JB, Cohan P, Diner JC, Hirsch IB. Euglycemic Diabetic Ketoacidosis: A Potential Complication of Treatment With Sodium-Glucose Cotransporter 2 Inhibition. *Diabetes Care*. 2015 Sep;38(9):1687-93. doi: 10.2337/dc15-0843. Epub 2015 Jun 15. PMID: 26078479; PMCID: PMC4542270.
- The definition of HHS as mentiond in the review by authors is incomplete. Authors state: The mainstay for diagnosis of HHS is profound hyperglycemia with glucose greater than 600 mg per dL as per American Diabetes Association. This is incomplete, as mainstay is not only hyperglycemia but other characteristic and diagnostically important features. Complete definition as follows (from ADA): The hyperosmolar hyperglycemic state (HHS) is a syndrome characterized by severe hyperglycemia, hyperosmolality, and dehydration in the

absence of ketoacidosis. The exact incidence of HHS is not known, but it is estimated to account for <1% of hospital admissions in patients with diabetes Francisco J. Pasquel, Guillermo E. Umpierrez; Hyperosmolar Hyperglycemic State: A Historic Review of the Clinical Presentation, Diagnosis, and Treatment. Diabetes Care 1 November 2014; 37 (11): 3124–3131. <https://doi.org/10.2337/dc14-0984> - DM that presents with DKA after Immune checkpoint inhibitor is referred to as Fulminant type 1 DM. WHO has recognized it as a separate entity. Better to enlighten the readership with the subcategory. WHO . Classification of diabetes mellitus. Geneva: WHO; 2019. p. p14. [Google Scholar] - Although less common than SGLT2i, DKA has been observed with GLP-1 agonists and DPP-4 I as well, worth mentioning. - English language needs revision. Would recommend a review by a native English speaker.

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**Provenance and peer review:** Invited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 03477174

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Associate Professor

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

**Author's Country/Territory:** United States

**Manuscript submission date:** 2022-07-28

**Reviewer chosen by:** Dong-Mei Wang

**Reviewer accepted review:** 2022-08-20 05:49

**Reviewer performed review:** 2022-08-25 07:07

**Review time:** 5 Days and 1 Hour

<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 type="checkbox"/> Major revision <input checked="" type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Peer-reviewer</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



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statements

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

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

The authors wrote a good article on the HHS-DKA relationship and diagnosis and management. However, the authors did not provide new information apart from known information regarding HHS-DKA. When I scanned the literature, I saw sufficient and detailed articles on this subject in the last 3 years. I do not think that this article contributes to the literature in its current form.

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**Peer-review model:** Single blind

**Reviewer's code:** 05086118

**Position:** Editorial Board

**Academic degree:** MBBS, MD

**Professional title:** Associate Professor, Research Scientist

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

**Author's Country/Territory:** United States

**Manuscript submission date:** 2022-07-28

**Reviewer chosen by:** Dong-Mei Wang

**Reviewer accepted review:** 2022-08-23 07:18

**Reviewer performed review:** 2022-08-29 08:04

**Review time:** 6 Days

<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 type="checkbox"/> Major revision <input checked="" type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Peer-reviewer</b>	Peer-Review: <input type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous



statements

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

## SPECIFIC COMMENTS TO AUTHORS

1. Title. The title is about HHS DKA overlap. However, the manuscript does not cover the overlap. 2. Abstract. "there is a lack of large-scale studies that help define how hyperglycemic crises should be managed" the above statement in abstract should be removed. If authors are 3. Key words. Do the key words reflect the focus of the manuscript? yes 4. Background. The manuscript does not define the background, present status and significance of the study. "diabetes mortality is rising" is a controversial statement in introduction 5. Methods. Methods not describes 6. Results. Not applicable 7. Discussion. Discussion is incoherent with regard to aim of manuscript 8. Illustrations and tables. Not applicable 9. Biostatistics. No statistics done 10. References. Are adequate. 12. Quality of manuscript organization and presentation. Language and grammar OK. 13. Research methods and reporting. PRISMA checklist for systematic reviews not followed 14. Ethics statements. NA  
Recommendation to authors: Kindly define the DKA Overlap and then do a systematic review. The manuscript needs to be rewritten

## RE-REVIEW REPORT OF REVISED MANUSCRIPT

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

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**Position:** Peer Reviewer

**Academic degree:** BSc, MBBS, MD

**Professional title:** Academic Editor, Academic Fellow, Academic Research, Doctor

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

**Author's Country/Territory:** United States

**Manuscript submission date:** 2022-07-28

**Reviewer chosen by:** Yu-Lu Chen

**Reviewer accepted review:** 2022-09-14 09:28

**Reviewer performed review:** 2022-09-14 14:03

**Review time:** 4 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 checked="" type="checkbox"/> Accept (General priority) <input 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**

I am satisfied with the revisions

## RE-REVIEW REPORT OF REVISED MANUSCRIPT

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**Reviewer's code:** 03477174

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Associate Professor

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

**Author's Country/Territory:** United States

**Manuscript submission date:** 2022-07-28

**Reviewer chosen by:** Yu-Lu Chen

**Reviewer accepted review:** 2022-09-16 08:38

**Reviewer performed review:** 2022-09-16 18:47

**Review time:** 10 Hours

<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 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 checked="" type="checkbox"/> Accept (General priority) <input 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**

The authors corrected the article according to the recommendations of the reviewers.