



## PEER-REVIEW REPORT

**Name of journal:** World Journal of Diabetes

**Manuscript NO:** 61144

**Title:** Diabetes and COVID-19: Diseases of racial, social and glucose intolerance

**Reviewer's code:** 04595215

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2020-11-25

**Reviewer chosen by:** Xi-Fang Chen (Part-Time Editor)

**Reviewer accepted review:** 2020-11-26 09:05

**Reviewer performed review:** 2020-11-26 11:19

**Review time:** 2 Hours

<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 Grade E: Do not publish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 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 checked="" type="checkbox"/> Accept (High priority) <input 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 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



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

Very interesting reflection! Perhaps the tremendous socioeconomic impact of covid and a potential increase of inequality may increase the prevalence of diabetes in the following years. I think there are two semantic errors: Page 7, 5th paragraph, 1st line: first "with" should be omitted. Box 1, point 7 "in schools": repeated term.



## PEER-REVIEW REPORT

**Name of journal:** World Journal of Diabetes

**Manuscript NO:** 61144

**Title:** Diabetes and COVID-19: Diseases of racial, social and glucose intolerance

**Reviewer's code:** 02894577

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Chief Physician, Professor

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

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

**Manuscript submission date:** 2020-11-25

**Reviewer chosen by:** Xi-Fang Chen (Part-Time Editor)

**Reviewer accepted review:** 2020-11-26 09:05

**Reviewer performed review:** 2020-12-02 01:06

**Review time:** 5 Days and 16 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 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



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

Having read the Review considerately, I am very appreciative of the type of work presented. The review submitted by Tahseen A. Chowdhury and co-author describes the risk factors in COVID-19 and diabetes. Although it is a concise review, it remains relative comprehensive and informative. However, the reviewer has the following concerns or suggestions to be addressed: 1. The abstract should be more clarified with current status, purpose and what are the main advanced knowledge or information 2. There have been some reviews about the relationship of diabetes and COVID-19. What is the novelty of this review? 3. Page 3, lines 33-34 the author proposed "Many theories have been proposed", However, there is only one theory mentioned, and please describe the purpose of the theory in details. 4. Page 4, lines 1-5. References are missing 5. Page4, line12-14.the author write "As discussed below, diabetes is commoner amongst more socially deprived cohorts in the UK, and non-White ethnicities are over-represented amongst socially deprived groups in the UK", however, COVID-19 was discussed below. 6. Page 4, lines 26-37. References are missing 7. Page 5, lines 31. "with a death rate of he 128.3 deaths per 100 000 population in most deprived areas", some spelling errors. 8. The authors should conclude the review in the end.\ 9. It is better to list a table describing the Risk factors for developing diabetes and adverse outcomes of COVID-19.



### PEER-REVIEW REPORT

**Name of journal:** World Journal of Diabetes  
**Manuscript NO:** 61144  
**Title:** Diabetes and COVID-19: Diseases of racial, social and glucose intolerance  
**Reviewer's code:** 05405600  
**Position:** Editorial Board  
**Academic degree:** MD  
**Professional title:** Adjunct Professor  
**Reviewer's Country/Territory:** Italy  
**Author's Country/Territory:** United Kingdom  
**Manuscript submission date:** 2020-11-25  
**Reviewer chosen by:** Le Zhang  
**Reviewer accepted review:** 2020-12-07 19:25  
**Reviewer performed review:** 2020-12-09 23:24  
**Review time:** 2 Days and 3 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 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 type="checkbox"/> Yes <input checked="" 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



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## SPECIFIC COMMENTS TO AUTHORS

The article by Dr. Chowdhury entitled "DIABETES AND COVID-19: DISEASES OF RACIAL, SOCIAL AND GLUCOSE INTOLERANCE" is a nice and well-written opinion review highlighting that poor outcomes associated with COVID-19 and T2D share similar risk factors, which primarily depend on ethnicity, socioeconomic status, cultural factors, and social-racial inequalities, particularly in UK. Health inequality is suggested as the common factor in all the aforementioned risk factors, and potential health policy interventions aimed to reduce health inequality and rates of diabetes increase are also proposed by the Author. I only have minor comments and suggestions: -"but not less fatal" -" Latest estimates suggest there are 425 million people living with the condition, most of whom have Type 2 diabetes (T2D) This number is estimated to rise by 50% by the year 2045.": amend this paragraph according to this reference (to be quoted: PMID: 31518657); "The global diabetes prevalence in 2019 is estimated to be 9.3% (463 million people), rising to 10.2% (578 million) by 2030 and 10.9% (700 million) by 2045." -" of 2-2.5x": times higher? Do not use "x"; even in the following text. -" As discussed below, diabetes is commoner amongst more socially deprived cohorts in the UK, and non-White ethnicities are over-represented amongst socially deprived groups in the UK.": please, provide a reference for this sentence. -Always refer to SARS-CoV-2 instead of the generic term "coronavirus" -" White European children of lower socioeconomic status have poorer metabolic indices whilst" -amend: " a hazard ration for": "a hazard ratio for" -amend: ", with a death rate of 128.3 deaths per 100,000 population in most deprived areas - more than double that of least deprived areas, where it was 58.8 deaths per 100,000..." -" were uniquely at risk for severity of": "were uniquely at risk for increased severity of" -" CVD": "cardiovascular disease"; then, abbreviate if you repeat the term in the text -HbA1c: "59 mmol/mol" corresponds to 7.5% -" glucoses >10.0 mmol/L": what does the Author mean? Glucose variability or



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mean blood glucose values during in-hospital stay? Please, clarify -“ focussed”:  
“focused” - “Human pancreatic tissue widely expresses ACE-2...”\_ Quote also this  
recently published paper PMID: 33281748 -“ SARS-CoV-2 spike protein” -“ that  
adverse outcomes with associated with COVID-19”: “that adverse outcomes associated  
with COVID-19” -“- there is certainly no vaccine on the horizon for T2D!”: I would be  
more cautious in making that statement (PMID: 32131431) -“ The only way to tackle  
the diabetes pandemic is to tackle health and social inequalities which lead to great  
disparities in health between ethnic and socio-economic groups.”: here, and in the  
abstract, Author should rephrase outlining that this is certainly one of the most  
important and crucial ways, although not the “only” way



## RE-REVIEW REPORT OF REVISED MANUSCRIPT

**Name of journal:** World Journal of Diabetes

**Manuscript NO:** 61144

**Title:** Diabetes and COVID-19: Diseases of racial, social and glucose intolerance

**Reviewer's code:** 02894577

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Chief Physician, Professor

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

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

**Manuscript submission date:** 2020-11-25

**Reviewer chosen by:** Chen-Chen Gao

**Reviewer accepted review:** 2021-01-09 01:39

**Reviewer performed review:** 2021-01-09 01:57

**Review time:** 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>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 should mark the revisions in the revised version. There is no line



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number or page number in the manuscript.

The manuscript has been revised accordingly. Have a good day.