

Review Form 1.7

Journal Name:	Annual Research & Review in Biology
Manuscript Number:	Ms_ARRB_95356
Title of the Manuscript:	Genomic study of TCF7L2 gene mutation on insulin secretion For Type 2 DM Patients – Critical review
Type of the Article	

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalarrb.com/index.php/ARRB/editorial-policy>)

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>1-The manuscript is dealing with an important topic including the correlation between TCF7L2 gene mutation on insulin secretion for Type 2 DM Patients and the authors concluded that there is an association between them which reflects an important issue that should be taken in consideration during treatment of those patients as well as putting in consideration gene therapy that might get better results with them in the future as a new trend of therapy in those patients. Also early investigation of this gene mutation might give a good opportunity to prevent prediabetic patients in progression to be diabetic.</p> <p>2- Replace "Critical Review" with "Short Review"</p> <p>3-Aim of work (objective of the review) was missed in the abstract and SHOULD be added.</p> <p>4-Kindly the authors might add Recommendations and Limitation Sections which will increase the benefits of the review to the readers.</p> <p>5-Yes it can be considered from theoretical point of view to be scientifically correct although this has to be assured by future Prospective studies to confirm the results.</p> <p>6-The suggested references were suggested in the comments to the authors below.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Yes</p>	
<p>Optional/General comments</p>	<p>Comments to the authors</p> <p>1-The aim of the study was not mentioned in the abstract. This SHOULD be mentioned.</p> <p>2-The authors better to use review flow chart to define the pathway of their study which would be very clear and collective to the reader.</p> <p>3-Spelling mistake of susceptibility to susceptibility.</p> <p>4-Paragraphs concerning the importance of supplements and or antioxidants which are were missed in the introduction which are considered a very important information to be given to the readers. Please the following paragraphs should be added in the introduction:</p> <p>"Silymarin with its antioxidant and anti-inflammatory properties was used as an adjuvant therapy for glycemic control, lipid profile and insulin resistance.(1) Additionally, Daflon 500 mg (micronized purified flavonoid fraction of Rutaceae aurantiae) proved to be helpful in reducing glucose level and the risk of cardiovascular disease.(2) Beneficial nutrients and antioxidants including coenzyme Q10 and alpha-tocopherol proved to have a neuroprotective effect [3]. Moreover, estrogenic compounds as genistein proved to exhibit a neuroprotective effect attributed to its estrogenic, antioxidant, and/or anti-apoptotic properties [4]. Additionally, Diabetic Polyneuropathy (DPN) represents a major health problem as it increases morbidity affecting patients' quality of life. Vitamin B frequently is used for treating DPN. ALPHA Lipoic Acid (ALA) seems to delay or reverse DPN. Combined therapy of DPN with ALA and Vitamin B complex, improves the symptoms of neuropathy (MNSI) with a similar trend in NCS.[5]"</p> <p>(1)Amany Talaat Elgarf, Maram Maher Mahdy, Nagwa Ali Sabri. Effect of Silymarin Supplementation on Glycemic Control, Lipid Profile and Insulin Resistance in Patients with Type 2 Diabetes Mellitus. International Journal of Advanced Research (2015), Volume 3, Issue 12, 812 – 821. http://www.journalijar.com.</p> <p>(2)Sherine Maher Rizk and Nagwa Ali Sabri. Evaluation of clinical activity and safety of Daflon 500 mg in type 2 diabetic female patients. Saudi Pharmaceutical Journal (2009) 17, 199–207. doi:10.1016/j.jsps.2009.08.008.</p>	<p>B</p>

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PART 2:

	Reviewer's comment	Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

Name:	Nagwa Ali Sabri
Department, University & Country	Ain Shams University, Egypt