ESPS PEER REVIEW REPORT

Name of journal: World Journal of Diabetes
ESPS manuscript NO: 13979
Title: Type 1 Diabetes: A Predictable Disease
Reviewer code: 02520738
Science editor: Xue-Mei Gong
Date sent for review: 2014-09-11 09:39
Date reviewed: 2014-10-23 02:07

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
[ ] Grade A: Excellent	[Y] Grade A: Priority publishing	Google Search:	[ ] Accept
[Y] Grade B: Very good	[ ] Grade B: Minor language polishing	[ ] Existing	[ ] High priority for
[ ] Grade C: Good	[ ] Grade C: A great deal of	[ ] No records	publication
[ ] Grade D: Fair	language polishing	BPG Search:	[ ] Rejection
[ ] Grade E: Poor	[ ] Grade D: Rejected	[ ] Existing	[ ] Minor revision
		[ ] No records	[Y] Major revision

COMMENTS TO AUTHORS

To: Professor Lian-Sheng Ma Editorial board World Journal of Diabetes   Title: "Type 1 Diabetes: A Predictable Disease"   Dear Editor, We have read through the manuscript and we think that some lacking news should be better re-evaluated: 1) The author should describe the key words adopted, the scientific research motor adopted (PUBMED; SCOPUS; etc). 2) What is the number of articles included for the final analysis? How many article were excluded? 3) A table resembling the characteristics of the considered studies should be provided. 4) Please discuss the paper from Ciccone MM et al. Ciccone MM, et al. 2014;5:364. doi: 10.4172/2155-6156.1000364 5) Please consider the value of revascularization therapy in diabetic foot for this patients. The authors can consider the work from Ciccone MM et al. Pak J Biol Sci. 2012 Aug 15;15(16):789-94.

ESPS PEER REVIEW REPORT

Name of journal: World Journal of Diabetes
ESPS manuscript NO: 13979
Title: Type 1 Diabetes: A Predictable Disease
Reviewer code: 00255973
Science editor: Xue-Mei Gong
Date sent for review: 2014-09-11 09:39
Date reviewed: 2014-10-31 16:35

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
[Y] Grade A: Excellent	[Y] Grade A: Priority publishing	Google Search:	[Y] Accept
[ ] Grade B: Very good	[ ] Grade B: Minor language polishing	[ ] Existing	[ ] High priority for
[ ] Grade C: Good	[ ] Grade C: A great deal of	[ ] No records	publication
[ ] Grade D: Fair	language polishing	BPG Search:	[ ] Rejection
[ ] Grade E: Poor	[ ] Grade D: Rejected	[ ] Existing	[ ] Minor revision
		[ ] No records	[ ] Major revision

COMMENTS TO AUTHORS

In this brief review, the authors provide an overview of autoimmune type 1 diabetes with particular focus on serologically detectable autoantibodies against islet-derived auto-antigens. The authors build the argument that by large scale screening close relatives and genetically predisposed individuals for these auto-Ab, it will be possible to identify individuals at risk to develop T1D and initiate treatment. These treatments could be secondary interventions – different dose, route and regimen of insulin administration to prevent potentially fatal metabolic complications such as ketoacidosis, and tertiary interventions aimed at arresting/even reversing the autoimmune destruction of the remaining healthy islet mass. Even though these treatment are only being offered in clinical trials, Ab screening would allow more individuals to be enrolled, eventually leading to further progress in disease prediction and treatment selection.   While the emphasis of this review is on auto-Ab, it does provide a clear background on the pathogenic process, genetic and environmental factors involved and the immunological mechanisms implicated.   It is very well written for a larger audience.

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[ ] Grade C: Good	[ ] Grade C: A great deal of	[ ] No records	publication
[ ] Grade D: Fair	language polishing	BPG Search:	[ ] Rejection
[ ] Grade E: Poor	[ ] Grade D: Rejected	[ ] Existing	[Y] Minor revision
		[ ] No records	[ ] Major revision

COMMENTS TO AUTHORS

Title: Type 1 Diabetes: A Predictable Disease   Manuscript category: Review article
Journal   :   WJD Overall publication value of the article: 1. Is the subject an important one?
Yes   2. Does the article possess scientific   value?   Yes   3.Introduction: Is
the background of the study made clear and helpful to readers unfamiliar with the subject?   Yes
4. Is the purpose of the article clearly stated?   Yes   Specific Comments: 1. Is the paper
scientifically accurate?   Yes   2. Does the paper fit the scope of the journal?   Yes   3. Is the title
and abstract informative and do they give a clear idea of what to expect from the paper?   Yes   4.
Introduction :   Please note :   ? The sentence : "To date, no trial has prevented the onset of T1D,
but data indicates that the disease process may be delayed with oral insulin." Can insulin be given
orally !!! Please clarify this issue. ? Epidemiology: The authors stated that : Children born in
the spring tend to be at a greater risk for developing T1D, while diagnosis is increased during
climatically cold seasons : Please explain the link between T!DM and occurrence in spring.   ? Risk
Factors ? Genetic : this section is well explained. ? Environment : GAD, glutamic decarboxylase,
(Please write in full before abbreviation). ? Natural History : This section is clearly explained. ?
Screening and Prevention : This section explain how would patients of T1DM will gain from early
and preclinical diagnosis to prevent DKA. ? Novel Approaches to Prevent Type 1 Diabetes:
Sentence "Preclinical studies have shown this is be a potential pathway for diabetes" , be should be
being .   5. Is there anything missing that you feel should be included to make the paper complete or

more comprehensive?   No   6. Are the technical terms/compound names spelt correctly? Yes   7. Is the paper clearly written?   Yes .   Do the language, grammar and punctuation need significant improvement?   No   8. Does the paper leave any question in this particular field unanswered? No   Does it go beyond data summary and provide a wider perspective and insight into the topic?   Yes   9. Do the authors clearly state their opinion? Yes   10. Is the reference section adequate or is it too long and should it be cut down?   Adequate.   10. Are the references up-to-date and appropriate? Yes   11. Are all figures are well designed , adequate and necessary please ?   Yes   12. Is there   a conflict of interest   No conflict of interest.

ESPS PEER REVIEW REPORT

Name of journal: World Journal of Diabetes
ESPS manuscript NO: 13979
Title: Type 1 Diabetes: A Predictable Disease
Reviewer code: 00504224
Science editor: Xue-Mei Gong
Date sent for review: 2014-09-11 09:39
Date reviewed: 2014-11-11 20:31

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
[ ] Grade A: Excellent	[Y] Grade A: Priority publishing	Google Search:	[ ] Accept
[Y] Grade B: Very good	[ ] Grade B: Minor language polishing	[ ] Existing	[Y] High priority for
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COMMENTS TO AUTHORS

Overall, this is a well written article suggesting that Type I Diabetes has become a predicable disease and suggesting that general screening of the poulation for islet autoantibodies should now be considered as a goal. Whilst admirable and certainly worthy of publication, I feel that some of the issues of such a screening strategy have not been discussed in great enough detail. For example there are no costings suggested. In addition, some of the issues arising from other large scale at risk screening (as an example consider the US National Lung Screening Trial based on low dose computerised tomography screening. This trial showed a 20% reduction in lung cancer mortality and a 6?7% decrease in all-cause mortality. THowever, a significant area of concern remains the issue of overdiagnosis, as estimates indicate that at least 20% of the detected lung cancers may in fact be indolent . This has significance "because it incurs unnecessary treatment, morbidity (and mortality in rare cases), follow-up, cost, and anxiety and labels a patient with a disease that otherwise would never have been detected".   What are the sensitivity/specificity fro each of the autoantibodies top be used? Is there any risk of overdiagnosis. Admittedly, this may not necessarily be the case for Type I diabetes, but it should be addressed even as a discussion at the end of the article as to how such issues could be overcome in a large scale setting of the general populace.

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COMMENTS TO AUTHORS

The paper represents a clear overview on type 1 diabetes and the possibilities to improve prevention in genetically predisposed subjects.