

ESPS Peer-review Report

Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 7997

Title: The relevance of alpha and beta defensins in diabetes

Reviewer code: 01645380

Science editor: Ma, Ya-Juan

Date sent for review: 2013-12-11 15:44

Date reviewed: 2013-12-12 20:42

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B (Very good)	<input checked="" type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C (Good)	<input type="checkbox"/> Grade C: a great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	<input type="checkbox"/> Grade D: rejected	BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

COMMENTS TO AUTHORS

The author should precisely explain the clinical relevance of the results obtained. 1. Authors should explain the mechanism how HNP1-3 cause atherosclerosis or vasculopathy. 2. Are there any studies showing that the neutrophil hyperactivity like exaggerated degranulation is linked to diabetic complications like nephropathy, neuropathy, or CV events? 3. Are there any studies showing that the neutrophil activity like degranulation is higher in DM patients than in controls, or higher in DM patients with complications than in those without? 4. Are HNP1-3 levels correlated with blood glucose, LDL-cholesterol, or HbA1c levels? 5. Do the patients with CC genotypes show lower beta-defensin-1 levels compared with those with other genotypes or do they show high glucose levels? 6. What about the relationship between HNP1-3 levels and infectivity in the DM patients?

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Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 7997

Title: The relevance of alpha and beta defensins in diabetes

Reviewer code: 01807932

Science editor: Ma, Ya-Juan

Date sent for review: 2013-12-11 15:44

Date reviewed: 2013-12-15 17:50

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B (Very good)	<input type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C (Good)	<input checked="" type="checkbox"/> Grade C: a great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	<input type="checkbox"/> Grade D: rejected	BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> Existed	<input checked="" type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

COMMENTS TO AUTHORS

The current manuscript addresses the role of defensins in patients with type1and type2diabetes. The authors should,in addition to the protein levels, correlate absolute mRNA expression to the diabetic patients; most likely this is also enhanced. The authors should more explain the biological role/relevance of the defensine increase: Is this associated with the level of inflammation; as well as the severity of complications like nephropathy, neuropathy, or CV events. If possible the association between HNP1-3 levels and infective disease/inflammation should be given. Further, the HNP1-3 levels should be correlated to blood glucose, and HbA1c levels.