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ESPS Peer-review Report
Name of Journal: World Journal of Diabetes
ESPS Manuscript NO: 8059
Title: Defect of insulin signal in peripheral tissues: important role of ceramide
Reviewer code: 00227496
Science editor: Ma, Ya-Juan
Date sent for review: 2013-12-15 09:46
Date reviewed: 2013-12-27 15:30

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	[ ] Existed	[ ] High priority for publication
[ ] Grade C (Good)	[ ] Grade C: a great deal of language polishing	[ ] No records	
[ ] Grade D (Fair)		BPG Search:	[ ]Rejection
[ ] Grade E (Poor)	[ ] Grade D: rejected	[ ] Existed	[Y] Minor revision
		[ ] No records	[ ] Major revision

COMMENTS TO AUTHORS

Hassan RH et al. described the role of lipo-toxicity focusing on ceramide in insulin resistance in peripheral tissues including liver, skeletal muscle, and fat tissue. They also stated and discussed about the therapeutic impact against ceramide and sphingolipid. This current review is well summarized the up-dated knowledge of lipo-toxicity in insulin resistance, and possesses important perspective in the future treatment of diabetes. This manuscript possesses important scientific implication for scientists and clinicians engaged in the field of diabetes. Minor comment: In page 6, lines 20-25, the sentence beginning from "….but just two of the (IRS1 and IRS2) have been shown to mediate insulin signaling". The interpretation is incorrect, at least, IRS3 and IRS4 mediate insulin's signaling in certain tissues including fat and brain etc. The statement should be corrected accordingly.