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## ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Experimental Medicine

**ESPS manuscript NO:** 19481

**Title:** Association of insulin resistance with serum ferritin and aminotransferases-iron hypothesis

**Reviewer's code:** 00037575

**Reviewer's country:** Canada

**Science editor:** Xiu-Xia Song

**Date sent for review:** 2015-05-12 17:03

**Date reviewed:** 2015-07-21 02:28

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input checked="" type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

### COMMENTS TO AUTHORS

Huang et al. present a cross-sectional study from the data collected during the NHANES III with an emphasis on non-hemachromatotic subjects. The authors find high levels of serum ferritin in diabetic subjects and a negative correlation between serum ferritin concentration and insulin sensitivity, but not with beta cell function. In addition the authors report a correlation between alanine aminotransferase and serum ferritin concentration. Minor issues: 1. The authors report in the result section that there is an association between CRP and serum ferritin in 4 of the studied groups, but in the discussion state that "no consistent relationship of CRP with (...) serum ferritin concentration was observed in all 6 groups. 2. The authors refer to serum ferritin as the second largest pool of iron in the body, however this likely refers to tissue ferritin and not serum ferritin.



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## ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Experimental Medicine

**ESPS manuscript NO:** 19481

**Title:** Association of insulin resistance with serum ferritin and aminotransferases-iron hypothesis

**Reviewer's code:** 02603551

**Reviewer's country:** China

**Science editor:** Xiu-Xia Song

**Date sent for review:** 2015-05-12 17:03

**Date reviewed:** 2015-07-09 10:20

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" 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"/> The same title	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good		<input type="checkbox"/> Duplicate publication	
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Minor revision
		BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

### COMMENTS TO AUTHORS

This is an interesting study. The authors have evaluated the relationship of iron with diabetes mellitus (DM) and concluded that disordered iron metabolism could play a role in the pathogenesis of insulin resistance and DM through its effect on liver function. Although the novelty of the present study is limited, it still can provide some new insights in the pathogenesis of insulin resistance. A limitation of the present work is that the mechanisms of disordered iron metabolism involved insulin resistance was not included in the present study. Appropriate statistical methods are used in this study. Strengths and limitations of the study are reported in the discussion. I have no major criticisms.



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## ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Experimental Medicine

**ESPS manuscript NO:** 19481

**Title:** Association of insulin resistance with serum ferritin and aminotransferases-iron hypothesis

**Reviewer's code:** 00504024

**Reviewer's country:** China

**Science editor:** Xiu-Xia Song

**Date sent for review:** 2015-05-12 17:03

**Date reviewed:** 2015-06-21 12:34

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input checked="" type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
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		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

### COMMENTS TO AUTHORS

I have a question. It is interesting research, but the difference between type 1 and type 2 DM should be stressed in your research. Please modify as such. It is acceptable for publication with minor change.