

ESPS PEER REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 15462

Title: Pancreatic fat and beta-cell function in overweight/obese children with nonalcoholic fatty liver disease

Reviewer code: 00541330

Science editor: Yuan Qi

Date sent for review: 2014-11-27 10:04

Date reviewed: 2014-12-08 01:52

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"/> Existing	<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		BPG Search:	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Existing	<input checked="" type="checkbox"/> Minor revision
		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

COMMENTS TO AUTHORS

This well-designed cross sectional, observational study of Lucia Pacifico et al aims to examine the associations of pancreatic fat with other fat depots, all evaluated by magnetic resonance imaging, and biochemical markers of β -cell function in 158 overweight / obese children (age: 10-18 years). Appropriate anthropomorphic and biochemical measurements were performed. Secondary causes of hepatic steatosis were excluded. NAFLD was found in 80 children and pancreatic fat was significantly higher in these children compared to 78 non-NAFLD children. However, the association between pancreatic fat and hepatic steatosis was no longer significant after adjusting for age, gender, Tanner stage, BMI-SD score and visceral adipose tissue. In addition, although pancreatic fat was significantly associated with markers of β -cell function [fasting insulin and C peptide, HOMA-IR and whole-body insulin sensitivity index (WBISI)], this association was no longer significant after performing multiple regression analysis. The authors also performed data analysis in a subgroup of patients - 18 prediabetic children - and found that pancreatic fat was not independently related to prediabetes. Major comment: Discussion needs to be more structured for a clearer presentation of study results compared to what is already known on the subject. Authors should make comments and/ or suggestions for study result regarding the association of pancreatic fat and hepatic steatosis after performing regression analysis. Minor comments: Page 9, Discussion, 1st paragraph "The association of pancreatic fat and hepatic steatosis remained significant after adjusting for" It



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should be corrected (as in page 2, Abstract, Results, and in page 8, Results, Relationships between PFF and other fat depots and metabolic variables. Pages 10-12, Discussion. Methods evaluating pancreatic fat in reference studies should be mentioned.



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ESPS PEER REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 15462

Title: Pancreatic fat and beta-cell function in overweight/obese children with nonalcoholic fatty liver disease

Reviewer code: 02998201

Science editor: Yuan Qi

Date sent for review: 2014-11-27 10:04

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CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	Google Search:	<input checked="" type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> Existing	<input 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"/> 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"/> Existing	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

COMMENTS TO AUTHORS

Some spaces are missing, please correct Please explain BMI-SD "IGT; 1, IFG ; 4, HBA1c \geq 5.7; 2, IGT + IFT; 2, IFG + HBA1c \geq 5.7; and 2," the numbers 1, 4 etc. are unclear.



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ESPS PEER REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 15462

Title: Pancreatic fat and beta-cell function in overweight/obese children with nonalcoholic fatty liver disease

Reviewer code: 00199807

Science editor: Yuan Qi

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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"/> Existing	<input 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"/> 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"/> Existing	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

COMMENTS TO AUTHORS

Dear Editor, I reviewed the article "Pancreatic fat and β -cell function in overweight/obese children with nonalcoholic fatty liver disease" written by Pacifico L, et al. In general, the manuscript is clearly written and easy to follow for the reader but there are minor grammatical errors in the manuscript. I feel that it will be acceptable after these minor corrections.

1. All "P" letters in p values should be written using lowercase "p"
2. Please, specify the abbreviations used in tables and in legends.
3. Some grammatical errors should be corrected.