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## ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Diabetes

**ESPS manuscript NO:** 31044

**Title:** The modifying effects of statin, testosterone and phosphodiesterase 5 inhibitor treatments on the relationship between age and mortality in type 2 diabetes

**Reviewer's code:** 03445718

**Reviewer's country:** Greece

**Science editor:** Shui Qiu

**Date sent for review:** 2016-10-31 15:35

**Date reviewed:** 2016-11-07 18:23

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

Comments to the Authors This is a very interesting retrospective study investigating whether the mortality rate follows the pattern described by Gompertz and estimating how testosterone status and treatments (statins, testosterone replacement therapy and phosphodiesterase 5 inhibitors) alter the mortality rate. A substantial and extremely meticulous work has been done and the findings are consistent. Specific comments: Introduction: -P4L18: "Phosphodiesterase 5 inhibitors" there is no need to capitalize the "P" Please replace with "phosphodiesterase5 inhibitors -P8L2: "P=0.0.028" Please correct according your data. Discussion: -P9L21: Reference is missing. Please add it. -P10L20: "We showed than mortality rates in men with T2DM" Please replace "than" with "that".



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## ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Diabetes

**ESPS manuscript NO:** 31044

**Title:** The modifying effects of statin, testosterone and phosphodiesterase 5 inhibitor treatments on the relationship between age and mortality in type 2 diabetes

**Reviewer's code:** 02842871

**Reviewer's country:** China

**Science editor:** Shui Qiu

**Date sent for review:** 2016-10-31 15:35

**Date reviewed:** 2016-11-07 22:30

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
<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

I accepted the opinion that the principal reason for PDE5I prescribing was ED, but treatment with PDE5I can also improve endothelial dysfunction (might be major reason for cardiac and cerebral vessel accident and death) and this can be good for general health and might be the exact reason for the conclusion in this MS (PDE5I, alone and in combination with the other 2 agents significantly altered the association between age and mortality.). Therefore, it is better to supplement some discussion.



### ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Diabetes

**ESPS manuscript NO:** 31044

**Title:** The modifying effects of statin, testosterone and phosphodiesterase 5 inhibitor treatments on the relationship between age and mortality in type 2 diabetes

**Reviewer’s code:** 00674619

**Reviewer’s country:** Romania

**Science editor:** Shui Qiu

**Date sent for review:** 2016-10-31 15:35

**Date reviewed:** 2016-11-10 17:02

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	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"/> The same title	<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"/> 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

The comments: The manuscript by Dr. Geoffrey Hackett investigates the effects of commonly used treatments such as statin, phosphodiesterase 5 inhibitors (PDE5I) and testosterone (TRT) on the association between age and mortality in men with type 2 diabetes. The results of this manuscript confirmed that statin, TRT and PDE5I reduce mortality in studied cohort and have described how they influenced the relationship between age and mortality. The main idea of this study is interesting and gives us new data for the future regarding the use of these drugs for type 2 diabetic patients. This work is descriptive, but contains interesting data, is well organized and appears timely. My opinion is that, this paper is very good regarding the drug options for patients with diabetes. The manuscript is state-of-the-art and the presented results are of potential interest for a wide readership, therefore I recommend publication in ‘World Journal of Diabetes’.