



## PEER-REVIEW REPORT

**Name of journal:** World Journal of Transplantation

**Manuscript NO:** 36014

**Title:** Importance of physical capacity and the effects of exercise in heart transplant recipients

**Reviewer's code:** 00504828

**Reviewer's country:** United States

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2017-11-17

**Date reviewed:** 2017-11-21

**Review time:** 3 Days

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 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 type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		[Y] No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		[Y] No	

### COMMENTS TO AUTHORS

This review manuscript focuses on potential benefit of high-intensity workout after heart transplantation. Although a review manuscript, re-analyses of past published studies as well. Major comment None. Minor comments 1. Very minor thing - Latin words may be better to make them Italic (such as de novo).



**PEER-REVIEW REPORT**

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**Title:** Importance of physical capacity and the effects of exercise in heart transplant recipients

**Reviewer's code:** 03475636

**Reviewer's country:** United States

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2017-11-22

**Date reviewed:** 2017-11-22

**Review time:** 14 Hours

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 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 type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input type="checkbox"/> No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input type="checkbox"/> No	

**COMMENTS TO AUTHORS**

This is very well written review. Very thorough. The authors hit all important papers on this topic. I am very impressed and enjoyed reading this review. There are only few minor corrections. 1. If resources are limited, we "also found" that the self-reported physical health (PF-score) showed "a" similar effect on long-term survival in the HTx population[17]. 2. Research in general populations underscore the importance of physical activity and report a dose-response effect on survival rates[22, 23], as well as "a strong dose-response" relation on self-reported health [24] 3. "Angiopietin-2" (Ang-2) 4. More recently, a Scandinavian multicenter RCT (The Schedule-study) has shown that early everolimus initiation with calcineurin inhibitor withdrawal "reduces" the progression of CAV in de-novo HTx recipients[67, 68]. 5. The effect of non-medical prevention strategies, such as HIT interventions, has also been studied by IVUS and



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have shown less progression of "atherosclerosis" both in mice[69] 6. We found the same trend in maintenance HTx recipients after a HIT intervention[39], but the positive effects were not sustained in the long-term as shown in the 5-year follow-up "study"[25]. 7. When considering other long-term effects, the benefit from a tough and intense HIT-intervention showed a positive "effect on" the development of anxiety symptoms. 4. TABLE 1: What is known and unknown in this field?" Need "?"



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CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> [ Y ] 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 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 type="checkbox"/> Plagiarism	<input type="checkbox"/> [ ] Minor revision
<input type="checkbox"/> Grade E: Poor		[ Y ] No	<input type="checkbox"/> [ ] Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		[ Y ] No	

**COMMENTS TO AUTHORS**

This is a very interesting and comprehensive review of the literature as well as the presentation of some new data.