

**ESPS Peer-review Report**
**Name of Journal:** World Journal of Cardiology

**ESPS Manuscript NO:** 8561

**Title:** Exercise Training in Hypertension: role of microRNAs.

**Reviewer code:** 00506252

**Science editor:** Ling-Ling Wen

**Date sent for review:** 2013-12-30 12:30

**Date reviewed:** 2014-02-10 17:05

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"/> Existed	<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	<input type="checkbox"/> Existed	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

**COMMENTS TO AUTHORS**

General Comments: This review paper reports the effect and mechanism of exercise training on high blood pressure. They focus on recently studied biochemical factor microRNAs in heart, vessels, and skeletal muscles, including their own studies. Specific Comments: 1. There are no figures and tables. It is very convenient for readers when some specific miRNAs are shown how they work in controlling blood pressure. The referee recommends the authors to show some schemes regarding miRNA. Minor Comments 1. microRNA is described as "miRNA", "microRNA", "MiRNA" and mir (mir- or Mir-126). Usually, the abbreviation is spelled put when it appears first, then the abbreviation is used after that. When miRNA is the first word in a sentence, "miRNA" is better than "MiRNA".

# ESPS Peer-review Report

**Name of Journal:** World Journal of Cardiology

**ESPS Manuscript NO:** 8561

**Title:** Exercise Training in Hypertension: role of microRNAs.

**Reviewer code:** 00214274

**Science editor:** Ling-Ling Wen

**Date sent for review:** 2013-12-30 12:30

**Date reviewed:** 2014-02-17 15:32

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

# COMMENTS TO AUTHORS

I have read this review on "Exercise training in hypertension role of microRNAs". General comments: The subject is interesting and the review extensive with recent data. I have only some minors remarks. You use the denomination pathological cardiac hypertrophy, physiological cardiac hypertrophy, maladaptative cardiac hypertrophy, cardiac hypertrophy, ET-induced CH or hypertension-induced CH. It would be more clear if you add a short definition the first time they appear in the text, or even add a figure on the different type of cardiac hypertrophy and use always the same denomination for the same type. You have to check all the acronyms. Some of them were correctly defined but used only once like SNS, SBP. Some of them were not described the first time they were used, some of them were described but not always used later in the text, and others were not described at all. You should limit the acronyms to the strict necessary.

# ESPS Peer-review Report

**Name of Journal:** World Journal of Cardiology

**ESPS Manuscript NO:** 8561

**Title:** Exercise Training in Hypertension: role of microRNAs.

**Reviewer code:** 00506276

**Science editor:** Ling-Ling Wen

**Date sent for review:** 2013-12-30 12:30

**Date reviewed:** 2014-02-17 23:41

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 checked="" type="checkbox"/> Grade B (Very good)	<input checked="" type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<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)		BPG Search:	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input checked="" type="checkbox"/> Minor revision
		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

## COMMENTS TO AUTHORS

This is a comprehensive review article focused on the role of miRNA in the effects of exercise training on blood vessels, heart and skeletal muscles in experimental and clinical hypertension. The mechanisms of vascular and cardiac complications of hypertension are discussed, followed by review of the literature in which effect of exercise training on miRNA is covered. The manuscript is in general well-written and provides a lot of information for those interested in hypertension research. However, some issues should be addressed to further improve this manuscript: 1) It would be reasonable to include the table in which role of miRNA mentioned in this paper would be summarized; that is different miRNAs should be listed and genes/proteins whose expression is targeted by them should be presented. 2) In the other table effect of exercise on different miRNAs, changes in the expression of proteins whose mRNA are targeted by these miRNAs and physiological consequences of these changes (for example decrease in arterial stiffness) should be presented. 3) In each section (heart, vessels and skeletal muscles) experimental (animal) and clinical (human) studies should be clearly separated. 4) Due to possible diagnostic/monitoring implications, studies in which circulating miRNAs (potentially available for more routine diagnosis) were measured should be clearly highlighted in each section.

**ESPS Peer-review Report**

**Name of Journal:** World Journal of Cardiology

**ESPS Manuscript NO:** 8561

**Title:** Exercise Training in Hypertension: role of microRNAs.

**Reviewer code:** 00031349

**Science editor:** Ling-Ling Wen

**Date sent for review:** 2013-12-30 12:30

**Date reviewed:** 2014-02-21 00:54

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input checked="" 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"/> Existed	<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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

**COMMENTS TO AUTHORS**

See the attached.

**ESPS Peer-review Report**

**Name of Journal:** World Journal of Cardiology

**ESPS Manuscript NO:** 8561

**Title:** Exercise Training in Hypertension: role of microRNAs.

**Reviewer code:** 00069693

**Science editor:** Ling-Ling Wen

**Date sent for review:** 2013-12-30 12:30

**Date reviewed:** 2014-02-24 22:51

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input checked="" type="checkbox"/> Grade A (Excellent)	<input checked="" type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input checked="" type="checkbox"/> Accept
<input type="checkbox"/> Grade B (Very good)	<input type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<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
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<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

**COMMENTS TO AUTHORS**

Congratulations to the authors for relevant and current review study.