

ESPS Peer-review Report

Name of Journal: World Journal of Hypertension

ESPS Manuscript NO: 4617

Title: ARB affects nicotine-induced gene expression profile in human coronary artery endothelial cells

Reviewer code: 00227375

Science editor: Gou, Su-Xin

Date sent for review: 2013-07-11 10:26

Date reviewed: 2013-07-15 19:45

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

COMMENTS TO AUTHORS

This is an interesting manuscript that addresses the effects of nicotine on the gene expression profile of human coronary artery endothelial cells (HCAECs) and those of ARB on the nicotine-induced gene expression profile using DNA microarray analyses. "Atherosclerosis signaling" was strongly affected by nicotine treatment, and this effect was reduced by co-incubation with ARB. The authors demonstrate that the vascular endothelial dysfunction/atherosclerosis induced by smoking may be due to the nicotine-induced changes in the gene expression profile related to "atherosclerosis signaling" and that the inhibitory effect of ARB against the nicotine-induced gene expression profile may induce anti-atherosclerotic effects independently of blood pressure. This manuscript is nicely structured and well written. I have no question about this manuscript.

ESPS Peer-review Report

Name of Journal: World Journal of Hypertension

ESPS Manuscript NO: 4617

Title: ARB affects nicotine-induced gene expression profile in human coronary artery endothelial cells

Reviewer code: 00227531

Science editor: Gou, Su-Xin

Date sent for review: 2013-07-11 10:26

Date reviewed: 2013-07-15 20:17

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
<input type="checkbox"/> Grade D (Fair)		BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

COMMENTS TO AUTHORS

The authors show convincingly different gene expression in human coronary artery endothelial cells submitted to 2 treatments: nicotine and nicotine+olmesartan, and suggest that the inhibitory effect of olmesartan goes beyond lowering blood pressure, by inducing anti-atherosclerotic effects