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Flat C, 23/F., Lucky Plaza,
315-321 Lockhart Road,
Wan Chai, Hong Kong, China

ESPS Peer-review Report

Name of Journal: World Journal of Clinical Cases

ESPS Manuscript NO: 8247

Title: Animal models of atherosclerosis

Reviewer code: 00571492

Science editor: Zhai, Huan-Huan

Date sent for review: 2013-12-22 20:07

Date reviewed: 2014-01-22 10:33

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"/> 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 checked="" 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 review entitled "Animal models of atherosclerosis" is very timely and one in which is beneficial to all in the field of cardiovascular research. I found the manuscript well planned, however believe it could be enhanced significantly with some revision, namely by: 1) Being edited significantly by a native English speaker, and one that has some experience writing journal articles as it currently lacks maturity. For example, quotes such as "However, it is impossible to have such an animal model..." should not be included. Rather, something like "Efforts are being made to develop animal models that replicate human atherosclerosis, however currently each have some limitations". This style of writing is unscientific and needs editing throughout the manuscript. 2) Reviewing the current literature in more detail to include new models of atherosclerosis that have recently been developed but are not currently included in the manuscript. Primarily mouse models such as the diabetic ApoE/GPx1, and the surgically induced ApoE model (Chen YC et al 2013). 3) The manuscript should only describe the positives and negatives of the different animal models and avoid describing previous experimental findings such as "We have reported that hypercholesterolemia and atherosclerosis can be prevented by dietary plant sterols...". It does not add to the discussion. Overall the manuscript is well planned and will be of significant benefit to those in the field of cardiovascular research.



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ESPS Peer-review Report

Name of Journal: World Journal of Clinical Cases

ESPS Manuscript NO: 8247

Title: Animal models of atherosclerosis

Reviewer code: 00504522

Science editor: Zhai, Huan-Huan

Date sent for review: 2013-12-22 20:07

Date reviewed: 2014-01-23 00:33

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"/> 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

This is a brief but informative review describing the main animal models used in atherosclerosis research. The article contains all the necessary information for a researcher to choose which animal model fits to his research. All, authors, especially the corresponding author, have a strong background on this field which guarantee for the validity of the information presented in this article. I do not have any major comments just two friendly recommendations: a) A table depicting all the animal models with their characteristics, advantages and shortcomings could be very informative of the reader b) More data on the histopathological phenotypes of each model could be added



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ESPS Peer-review Report

Name of Journal: World Journal of Clinical Cases

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Reviewer code: 00503094

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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 checked="" type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<input checked="" 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)	<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

This is a reasonably good mini review. 1. For section on mice regarding differences, it is important that differences in the immune and inflammatory responses are mentioned given that atherosclerosis is an inflammatory disorder. 2. More details on differences between a poE KO and LDL-r KO would be desirable. 3. Some mention is required on the bone marrow transplantation approach along with how current models can be adapted to study aneurysms and plaque regression. 4. "Two strains of rabbits"? What are these rabbits "naturally defective" in? Some mention is required. 5. Some mention on how the rabbit models compare with human atherosclerotic lesions would be desirable.



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ESPS Peer-review Report

Name of Journal: World Journal of Clinical Cases

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Title: Animal models of atherosclerosis

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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"/> Existed	<input type="checkbox"/> High priority for publication
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<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

COMMENTS TO AUTHORS

This is good short review exposing the different animal models of atherosclerosis. It is clear and well written, covering briefly a wide number of models, indicating its advantages and disadvantages. I have no further comments.