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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Pharmacology

ESPS manuscript NO: 13999

Title: Lipoprotein based drug delivery -Potential for pediatric applications.

Reviewer's code: 00698952

Reviewer's country: China

Science editor: Xue-Mei Gong

Date sent for review: 2014-09-13 18:47

Date reviewed: 2014-10-30 13:25

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	PubMed 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"/> Duplicate publication	
<input checked="" 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 type="checkbox"/> Minor revision
		BPG Search:	<input checked="" 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 title of the review manuscript emphasizes the potential of lipoprotein-based drug delivery for pediatric applications. However, while the authors have indeed done a good job in the first half of the review on discussing the challenges of treating pediatric malignancies, they have not explained or justified in any clear terms or arguments as to why the nanomedicine and in particular lipoprotein-based drug delivery system should be particularly applicable and advantageous to the pediatric cases. Thus, the content of second half of the review appear to be applicable equally to all cancer cases, pediatric or not. It would be a disappointment to the readers who read the review because of what the title had appeared to promise. There are also some particular concerns: 1) The literature cited to support one of the most important statements of the review manuscript - that is, "Lipoprotein-inspired DDVs possess most of these desirable these features and thus represent a promising platform for pediatric cancer therapeutics", contains only one paper related to pediatric cases, and even this paper is a review article on advocating the application of lipoprotein-based DDV for pediatric leukemia treatments from the same team of authors as this manuscript. 2) The use of abbreviations which are either not defined when used for the first time or not at all: DDS (page 9) and



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rHDL (10). The term “therapeutic shielding” needs clarification. 3) Appearance of a sentence in italics on page 11. 4) Non-uniform references format, and omitted authors’ names as in reference #62.



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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Pharmacology

ESPS manuscript NO: 13999

Title: Lipoprotein based drug delivery -Potential for pediatric applications.

Reviewer's code: 00201402

Reviewer's country: United Kingdom

Science editor: Xue-Mei Gong

Date sent for review: 2014-09-13 18:47

Date reviewed: 2014-10-27 23:26

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	PubMed 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"/> Duplicate publication	
<input checked="" type="checkbox"/> Grade D: Fair	<input checked="" 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 type="checkbox"/> Minor revision
		BPG Search:	<input checked="" 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 manuscript by Sabnis et al aims to overview recent advances in the use of lipoprotein based drug delivery in the treatment of pediatric malignancies. While the limitations of previous treatment strategies and the advantages of the new lipoprotein based strategies are clearly highlighted in the introduction, the conclusions and novel aspects of the review are not very clear. For example, the general introduction to pediatric cancers (pages 4-5) is useful but not linked to the core topic of this review. The significance of various age groups is highlighted on page 6, but it is not clear how is this relevant to lipoprotein based drug delivery and the discussion of this topic lacks specific details. The general points raised regarding ethical etc issues are not particularly relevant to the core topic of this review and can be omitted. The structure of the review is not very clear, the text is often repetitive and the different sections are poorly connected. Each section should start with a few sentences that highlight the relevance of the topic and finished with clear conclusions. Previous studies should be discussed in greater details and more rigorously. The presented discussions are fairly superficial and represent limited advance compare to other similar publications.



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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Pharmacology

ESPS manuscript NO: 13999

Title: Lipoprotein based drug delivery -Potential for pediatric applications.

Reviewer's code: 00503486

Reviewer's country: United States

Science editor: Xue-Mei Gong

Date sent for review: 2014-09-13 18:47

Date reviewed: 2014-10-21 01:31

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	PubMed 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 a very useful discussion of nanotechnology and drug delivery to pediatric patients.



ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Pharmacology

ESPS manuscript NO: 13999

Title: Lipoprotein based drug delivery -Potential for pediatric applications.

Reviewer's code: 00203307

Reviewer's country: Singapore

Science editor: Xue-Mei Gong

Date sent for review: 2014-09-13 18:47

Date reviewed: 2014-11-09 22:18

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	PubMed 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	
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		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

An interesting and well-written review discussing the potential application of lipoprotein-based nano-delivery formulations in treating childhood cancer. Interest in the manuscript depends heavily on the unique challenges of paediatric cancer. (1) The title should be amended to reflect the focus on cancer (2) While the authors make a good case for the unique challenges of paediatric cancer in pages 3 to 7, this is not reflected in the abstract. The abstract should be updated to concisely summarise the unique challenges of paediatric cancer that differ from approaches for treatment of adult cancer.



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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Pharmacology

ESPS manuscript NO: 13999

Title: Lipoprotein based drug delivery -Potential for pediatric applications.

Reviewer's code: 00504952

Reviewer's country: Japan

Science editor: Xue-Mei Gong

Date sent for review: 2014-09-13 18:47

Date reviewed: 2014-10-19 10:30

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	PubMed Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
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		<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 authors. The authors focused importance of lipoprotein as a vector for chemotherapy for pediatric cancer. The manuscript generally well written but there are some grammatical errors shown below. P3, final sentence; "general. utilizing" should be "general, utilizing" P8, final sentences above Table 2; "chemical constructs (including polymer based, dendrimers, flo dots, quantum dots, ceramic, metal based etc." should be chemical constructs (including polymer based, dendrimers, flo dots, quantum dots, ceramic, metal based etc). P9, 1st sentence; "poly(lactide-co-glycolide) (PLGA)" should be "poly (lactide-co- glycolide) (PLGA)