

ESPS Peer-review Report

Name of Journal: World Journal of Ophthalmology

ESPS Manuscript NO: 4243

Title: Topical Biological Agents for the Treatment of Dry Eye Disease

Reviewer code: 00505218

Science editor: Wen, Ling-Ling

Date sent for review: 2013-06-22 21:19

Date reviewed: 2013-06-23 11:33

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 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 an interesting editorial that focuses on TNF alpha and B cell related treatment for dry eye and Sjögren's syndrome. This is an important area of ocular surface science and treatment. I think there is enough material in this writeup to make this a novel and meaningful writeup but I suspect that the title can be more specific and accurate, or alternatively, mention a few other types of upcoming biological treatment that may be relevant to dry eye. If the editorial is about biologics in general in dry eye, consider including some of these to make the writeup more balanced: 1. Biologics in the targeting of cell adhesion or leukocyte trafficking (integrins). 2. Biologics in the targeting of cytokine signaling such as JAK inhibitors. 3. Role of meibomian gland dysfunction in Sjögren's syndrome. Some biologics can target that, for example topical vitamins that target keratinization. 4. The author correctly mention autologous serum. It should be mentioned that variants of plasma and serum are also forms of biologics. 5. Biologics in the protection of the ocular surface against ocular surface stress in dry eye. How about carnitine and osmoprotectants that reduce MAPK signaling? (Even though these may not be true biologics) 6. How SNPs of TNF alpha affects the systemic TNF alpha response to omega3 lipid intake. Pharmaforte even has a topical omega3 preparation. Specific comments: Third paragraph line 3 'Infusion of topical...' is not good English as infusions normally refer to intravenous and such forms of treatment. Perhaps 'Administration of...' is better? Fourth paragraph line 1 'By contrast' is not as good as 'In contrast' Fourth paragraph line 3 Please specify what are ocular test results or rephrase Fourth paragraph line 5 A short sentence to explain the relative importance of role of B cell versus T cell may be appropriate here. Sixth paragraph line 3 Adiponectin is structurally similar to TNF alpha. Please indicate if adiponectin is an antagonist of TNF alpha? Sixth paragraph line 6 The sentence on IFN



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induced apoptosis may benefit from one sentence explaining the role of IFN induced apoptosis in Sjögren's.

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Reviewer code: 02446168

Science editor: Wen, Ling-Ling

Date sent for review: 2013-06-22 21:19

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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 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 an good and interesting editorial manuscript that focuses on TNF alpha and B cell related treatment for dry eye and Sjogren's syndrome.