Are lipid-based products more effective for treating dry eye disease?

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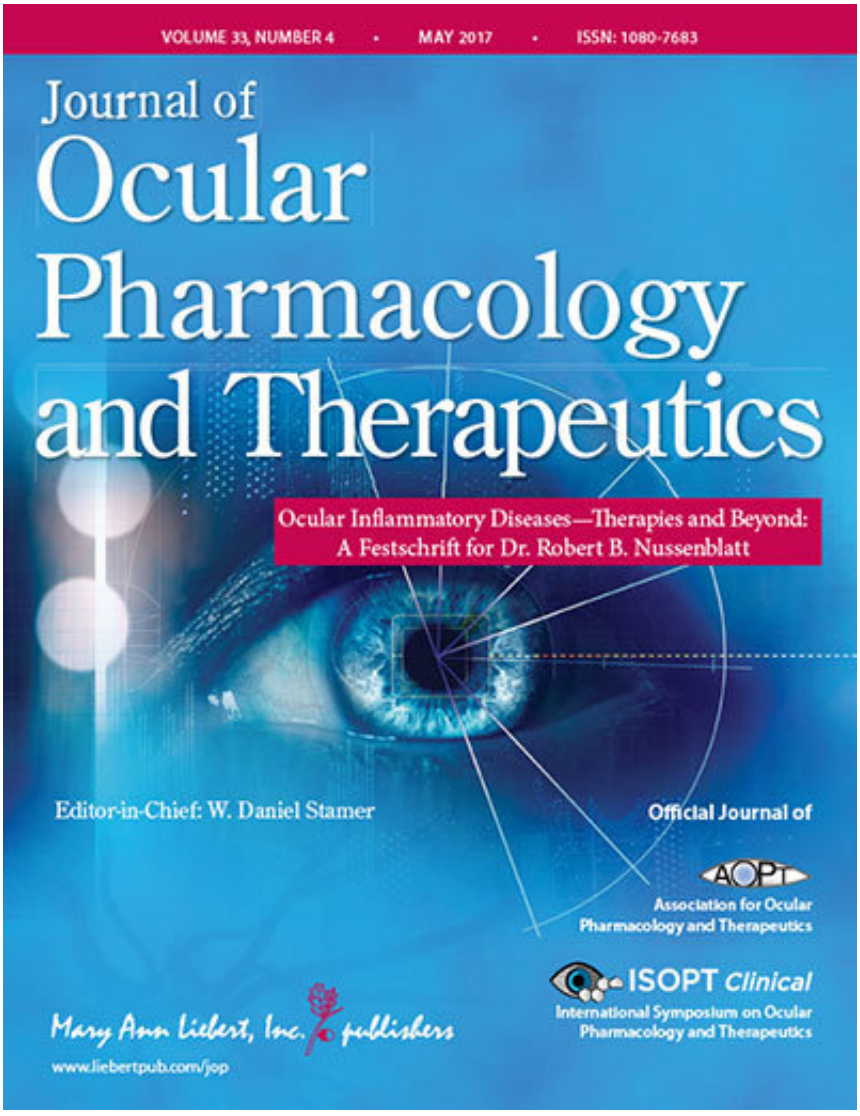

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New treatments for dry eye disease that deliver lipids to the ocular surface are designed to more closely mimic the important tear film lipid layer at the air-water interface in the eye. The range and effectiveness of lipid-based products to treat dry eye disease, including liposome lid sprays, emulsion eye drops, lipid nanoparticles, and lipid-drug conjugates are examined in a new Review article published in *Journal of Ocular Pharmacology and Therapeutics*.

In the article entitled "Relevance of Lipid-Based Products in the Management of Dry Eye Disease," Jean-Sébastien Garrigue and Mourad Amrane, Santen SAS (Evry, France), Marie-Odile Faure, Scientific Consulting For You (Paris, France), Juha Holopainen, University of Helsinki (Finland), and Louis Tong, Singapore Eye Research Institute, describe the favorable tolerability profile of lipid-based therapies. Lipid-based products offer advantages compared to water-based artificial tears. Not only can they provide immediate relief of symptoms, but they may also improve the structure and stability of the tear film lipid layer.

"This is a thorough and timely review addressing an emerging treatment modality for the painful disease of dry eye," says Editor-in-Chief W. Daniel Stamer, PhD, Joseph A. C. Wadsworth Professor of Ophthalmology and Professor of Biomedical Engineering, Duke University, Durham, NC.

More information: Jean-Sébastien Garrigue et al, Relevance of Lipid-Based Products in the Management of Dry Eye Disease, *Journal of Ocular Pharmacology and Therapeutics* (2017). DOI: 10.1089/jop.2017.0052

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