



CORE Publishes Guidance on Ocular Surface Immunology for Better Patient Care

Contact Lens Update Issue 73 Now Available

WATERLOO, Ontario, August 21, 2023—In response to increased clinical interest regarding ocular surface immunology, [the Centre for Ocular Research & Education \(CORE\)](#) has published a collection of resources to create a greater understanding among the global eye care community. Issue 73 of *Contact Lens Update* focuses on the topic and is available at no charge by visiting [ContactLensUpdate.com](#).

“The ocular surface forms the main line of defence in protecting the eye against external pathogens and has a crucial inflammation-regulating role. Inflammatory eye conditions disrupt the homeostasis of the immune system and can result in reduced quality of life or permanent sight loss,” said Lyndon Jones, director of CORE. “Increased awareness of the pathophysiology, early diagnosis, and effective management of ocular surface disease can benefit practitioners and patients alike.”

[EDITOR'S NOTE: Images follow at the end of the announcement.]

In primary eye care settings, immunological conditions that impact the ocular surface are routinely observed in people suffering from allergic conjunctivitis, dry eye, Sjögren's syndrome, and rheumatoid arthritis. As knowledge of ocular surface immunology continues to evolve, eye care practitioners who are familiar with the latest research and treatment options can offer a higher standard of care.

Sezen Karakus, assistant professor at the Wilmer Eye Institute, Johns Hopkins University School of Medicine, shares her expertise in the issue's [editorial](#). Her comprehensive review explains key components involved in protecting the ocular surface, and details changes that occur in commonly encountered diseases, including immune and autoimmune conditions. She provides an overview of current research and discusses areas that may soon become part of a clinician's treatment arsenal.

The [feature article](#) is authored by Jeremy Chung Bo Chiang, a postdoctoral research associate at Aston University. He succinctly presents the four stages underlying the immunopathogenesis of dry eye disease, followed by valuable information about current topical ophthalmic treatments, their mechanisms of action, and clinical tips.

Barbara Caffery, an optometrist at Toronto Eye Care and former president of the American Academy of Optometry, shares her knowledge in the issue's [clinical insight column](#). The case report details a patient's journey through an initial examination, dry eye diagnosis,

and management. She then poses important questions that can help identify people who may have Sjögren's syndrome and delves into additional tests required for diagnosis.

The [conference highlight](#) is contributed by Elyana Locatelli, a pre-medical student and research fellow at the Bascom Palmer Eye Institute, University of Miami. Based on her poster that was presented at the Association for Research in Vision and Ophthalmology 2023 annual meeting, the retrospective study examines the subjective preference of cyclosporine compared to lifitegrast in patients with dry eye, and investigates whether any patient factors were associated with medication choice.

Published six times per year, [Contact Lens Update](#) provides a global platform for unbiased clinical insights based in current research. Since 2011, each issue has provided dependable and up-to-date ocular health information for more than 60,000 leading eye care professionals.

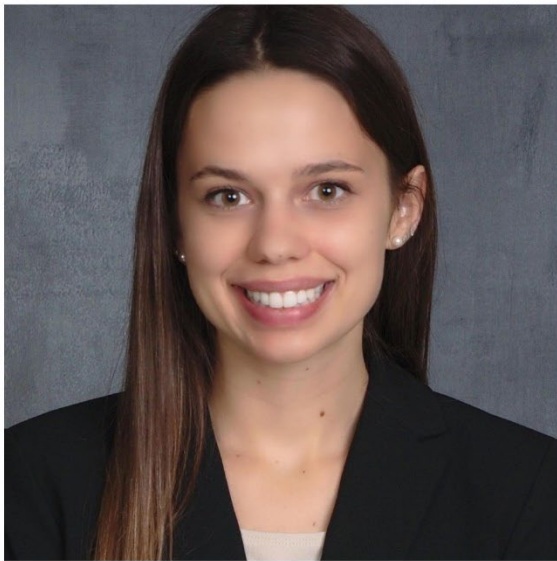
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The publication receives support from the educational arms of [Alcon](#), [CooperVision](#), and [Johnson & Johnson Vision](#).

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About the Centre for Ocular Research & Education (CORE)

The [Centre for Ocular Research & Education \(CORE\)](#) was established in 1988 at the University of Waterloo's [School of Optometry & Vision Science](#). Over the next three decades, the organization evolved from a three-person operation into a thriving hub of basic and applied research, collaborating with sponsors, agencies and academia on advanced biosciences, clinical research and education. Its uncompromising independence and results of the highest quality have been at the heart of many of the most prominent advances in eye health. Today, its approximately [50-person team](#) serves a range of ophthalmic sectors, including medical devices, ocular pharmaceuticals, digital technology and others, with a focus on the anterior segment. For more information, please visit [core.uwaterloo.ca](#).



Contact Lens Update Issue 73 Contributors (clockwise from top left): Sezen Karakus, Jeremy Chung Bo Chiang, Barbara Caffery, and Elyana Locatelli.

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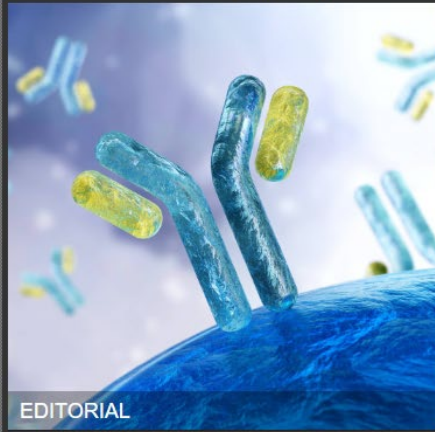
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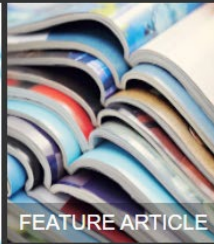
A REVIEW OF OCULAR SURFACE IMMUNOLOGY

Eye care professionals must be aware of how the immune system of the ocular surface functions and ...

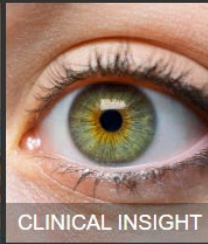
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