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New landmark review paper highlights performance benefits of etafilcon A material.[1]

Thirty years of 'quiet eye' with etafilcon A contact lenses

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Led by Professor Nathan Efron, a team of eminent researchers have recently come together to summarise the extensive body of research, conducted by themselves and others, that sets out the considerable performance benefits of etafilcon A contact lenses (the material behind 1-DAY ACUVUE® MOIST) conducted over the last three decades. Key findings in this review are:

164 articles analysed

Low inflammatory response

and infection risk profile during daily wear. This may be related to the low modulus and the naturally protective anti-microbial non-denatured lysozyme absorbed into the lens from the tear fluid (with in-vitro testing.*)

Equivalent levels of corneal oxygenation

compared to silicone hydrogel materials are maintained during daily wear of low to medium powered etafilcon A lenses.

The daily corneal de-swelling process is not impeded and clinically significant changes in ocular health are not induced.

Looking at material type

...hydrogel lenses in general do not appear to show differences in dryness and discomfort compared to silicon hydrogel materials.

1-DAY ACUVUE® MOIST wearers reported no serious Adverse Events and only 3 non-serious events (0.6%/year) †2

Etafilcon A remains the most widely used hydrogel material today and remains an important alternative for daily wear in modern contact lens practice.‡

FOR MORE INFORMATION including a link to the actual publication click here

*Based on in-vitro data; clinical studies have not been done directly linking differences in lysozyme profile with specific clinical benefits.

†This observational/surveillance registry relied on patient reports of symptomatic adverse events that led them to seek clinical care. These results should be considered in conjunction with other clinical results on the safety and efficacy of daily disposable etafilcon A contact lenses, which also generally show low rates of such events. Although no symptomatic infiltrative events were reported in this study, such events can occur with daily disposable lenses, including 1-DAY ACUVUE® MOIST, as noted in the product labeling.

‡JJV data on file 2018. Source: Euromonitor International Limited; based on research conducted in August 2018; "world" and "globally" represent markets accounting for 80.8% of total daily disposable contact lenses in 2017 (retail sales). Claim effective starting September 24, 2018.

1. Efron N, Brennan NA, Chalmers RL, Jones L et al. Thirty years of 'quiet eye' with etafilcon A contact lenses. Contact Lens and Anterior Eye2020; 43:285-297. 2. Chalmers RL, Hickson-Curran SB, Keay L, et al. Rates of adverse events with hydrogel and silicone hydrogel daily disposable lenses in a large postmarket surveillance registry: The TEMPO Registry. Investigative Ophthalmology & Visual Science 2015;56:654-63.

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