

NCC 'GET CONNECTED 2026' POSTER ABSTRACTS
SCIENTIFIC SESSION IN COOPERATION WITH THE BCLA

NCC 'GET CONNECTED 2026'

Organization Section: NCC/ BCLA

Poster Abstracts

Monday 9 March 2026, Netherlands, Veldhoven, NH De Koningshof, Baroniezaal

Immediate soothing and hydration with propylene glycol-hydroxypropyl-guar- hyaluronic acid nanoemulsion lubricant preservative-free eye drops

Inma Perez-Gomez, Glenn Corbin, Bradley Hines, Mark Perry, Bradley Giedd, Shane Kannarr, John Capellani

Affiliation: Alcon Management SA, Switzerland

Purpose: Propylene glycol-hydroxypropyl-guar- hyaluronic acid (PG-HPG-HA) nanoemulsion lubricant preservative-free (PF) eye drops are designed to offer immediate comfort to patients with dry eyes. This study assessed the immediate soothing and hydrating effects of PG-HPG-HA PF eye drops in patients with mild to moderate dry eye disease (DED).

Method: This was a phase 3, single arm, open-label study, conducted at 9 sites in the United States, enrolling subjects aged ≥ 18 years with mild to moderate DED. Subjects received one drop of PG-HPG-HA PF eye drop per eye on day one and were asked to complete questionnaires assessing soothing sensation utilizing a visual analog scale [0 (extremely unsoothing) –100 (extremely soothing)] immediately after instillation. Subjects provided responses to Likert question on eyes feeling hydrated (strongly agree, agree, neither agree nor disagree, disagree, strongly disagree). Safety endpoints included treatment-emergent adverse events (TEAEs).

Results: Of the 161 subjects (mean age 48.8 years; female 75.2%) included in this study, 158 subjects completed the study. Dry eye subcategories included aqueous deficient dry eye (ADDE; n=19), evaporative dry eye (EDE; n=89) and mixed dry eye (MDE; n=53). Immediately after instillation, the mean \pm SD soothing sensation was 72.4 ± 17.1 with more than half of the subjects (57.6%) selecting ≥ 70 on the 0–100 scale. In response to the Likert question "Do your eyes feel hydrated", 84.2% of subjects selected "agree or strongly agree". No deaths or serious adverse events (AEs) were reported.

Conclusions: The use of PG-HPG-HA PF eye drops showed rapid/ immediate soothing and hydration in subjects with mild to moderate DED with no serious AEs.

This research received funding from: This study was funded by Alcon