

NCC 'GET CONNECTED 2026' POSTER ABSTRACTS
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NCC 'GET CONNECTED 2026'

Organization Section: NCC/ BCLA

Poster Abstracts

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Vision and comfort performance of a novel silicone hydrogel daily disposable multifocal contact lens

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Purpose: This 3-week, prospective, single-arm, bilateral, multicenter, open-label study (NCT05660577) evaluated the clinical performance of the novel kalifilcon A daily disposable multifocal (MF) contact lens (CL).

Method: Habitual wearers of MFCLs ≥ 40 years of age with near-add requirements between +0.75 to +2.50D were fitted with kalifilcon A MFCLs, to be worn daily for 3 weeks, with scheduled in-office follow-up visits at 1 week and 3 weeks post-fitting. The primary outcome measure was the proportion of participants who reported positive responses to having clear vision near, far, and in-between. Analysis measures included logMAR visual acuity (VA; distance, intermediate, and near); CL performance ratings (0–100 scale; 100=most favorable) of comfort, (absence of) CL dryness; and assessment of CL fit and wettability. Safety evaluations included any reported adverse events (AEs).

Results: 294 participants were included in the full analysis set. The primary outcome was met: 82.2% of subjects with an opinion agreed the CLs provide clear vision near, far, and in-between ($p < 0.0001$). Mean binocular logMAR VA with the habitual (prior) CLs was 0.015, 0.074, and 0.140 for distance, intermediate, and near, respectively, while with the study CL at 3 weeks, this was -0.012, 0.046, and 0.115, respectively. Mean ratings at 3 weeks for distance, intermediate, and near vision were 84.6, 89.3, and 84.2, respectively, and mean ratings for overall comfort, comfort at end of day, and (absence of) CL dryness were 92.9, 86.4, and 89.7, reflecting mean changes of +3.6, +7.1, +11.6, +5.5, +12.7, and +8.4 versus corresponding ratings of their habitual (prior) CLs, respectively. CL fit and wettability were high throughout, and treatment-emergent ocular AE incidence was low (0.8% eyes, all mild; none serious).

Conclusions: The kalifilcon A MFCL performed successfully across all assessments. This study implies that the CL may benefit presbyopic patients who seek enhanced vision performance and comfort.

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