

NCC 'FUTURE GENERATION 2024' POSTER Abstracts  
SCIENTIFIC SESSION IN COOPERATION WITH THE BCLA

**NCC 'Future generation 2024'**

**Organization Section: NCC/ BCLA**

**POSTER Abstracts**

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**Clinical Performance of Verofilcon A and Stenfilcon A Daily Disposable Toric Soft Contact Lenses**

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**Purpose:** To evaluate clinical performance of two commercially available verofilcon A toric and stenfilcon A toric soft contact lenses (SCLs).

**Method:** In a prospective, controlled, double-masked, bilateral, crossover, multicenter study, habitual toric SCL wearers (age  $\geq 18$  years) were randomized to wear verofilcon A toric or stenfilcon A toric SCLs bilaterally for 8-11 days, and crossed-over to the alternative lenses. Primary endpoint was distance visual acuity (VA; logMAR) at week 1. Other endpoints (at week 1) were: subjective assessments for "my lenses felt comfortable all day" at 16 hours (5-point scale: strongly agree to strongly disagree); lens movement (-2=unacceptably tight to +2=unacceptably loose), and position (0=optimal centration to 2=unacceptable decentration); front surface wettability (0=smooth uniform to 4=non-wettable); and surface deposits (0=absent to 4=severe).

**Results:** Overall, 152 subjects were randomized, with mean age  $34.4 \pm 9.0$  years. Verofilcon A toric lenses were noninferior to stenfilcon A toric lenses for distance VA at week 1 (mean  $\pm$  SD logMAR:  $-0.11 \pm 0.07$  vs  $-0.10 \pm 0.07$ ). Subjects with verofilcon A toric SCLs (53.7%) compared to stenfilcon A toric SCLs (43.6%) strongly

agreed/agreed that lenses felt comfortable all day at 16 hours ( $p=0.0165$ ). All lenses had optimal/acceptable movement (primary and peripheral gazes) and optimal centration (verofilcon A: 99.0%; stenfilcon A: 97.4%). Majority of lenses had grade 0 front surface wettability (verofilcon A: 86.4%; stenfilcon A: 85.4%) and surface deposits (verofilcon A: front 88.7%, back 95.4%; stenfilcon A: front 86.1%, back 94.0%) at week 1.

**Conclusions:** Verofilcon A toric SCLs were noninferior to stenfilcon A toric SCLs for distance visual acuity at week 1.

Subjective ratings for comfort (at 16 hours) were higher with verofilcon A toric SCLs than stenfilcon A toric SCLs. Both toric lenses had optimal movement and centration, and wettable clean surface.

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