

Subjective Assessments of Habitual Wearers of Enfilcon A Sphere Lenses Following a Direct Refit with Fanfilcon A Sphere Lenses for 4 Weeks

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Purpose

- A new contact lens material fanfilcon A (FA) (CooperVision), was developed to improve on enfilcon A (EA) (CooperVision).
- To evaluate the impact of material changes, subjective response and preference ratings were collected from habitual wearers of enfilcon A (EA) following a direct refit with fanfilcon A (FA) lenses over 4-weeks of daily wear.



Study Design and Methods

- This was a prospective, bilateral wear, subject-masked study comparing the performance of the subjects' habitual EA lenses following a direct refit with FA lenses.
- Habitual EA lenses were evaluated at the first visit and then subjects were re-fitted with FA lenses, with the same power as their EA lenses, for 4-weeks of daily wear.
- Subjects used Opti-Free® PureMoist® MPS as a lens care regimen. After the dispensing visit, subjects returned for evaluation at 4-weeks.
- Subjective ratings of comfort, dryness, and handling were measured using a 0 – 10 scale where 10 = best performance. Preference and likelihood to switch were collected.



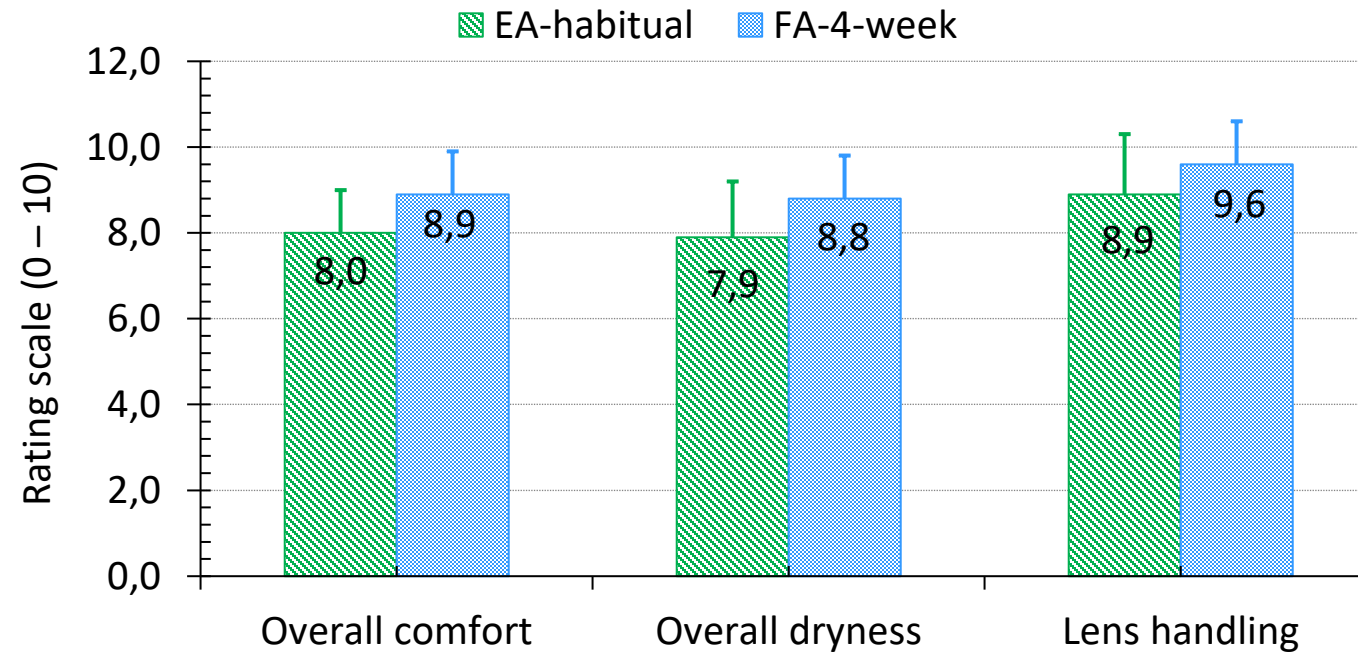
Results

- A total of thirty-five habitual EA contact lens wearers were enrolled and dispensed study lenses.
- Of the 35 subjects enrolled, 34 completed the 4 week trial. Only one patient discontinued for personal reasons and could not attend the 4-weeks visit.
- The mean age was 24.1 ± 5.5 (range 18 – 39) and there were 10 (29%) males and 24 (71%) females.
- The mean (\pm SD) spherical power was -3.04 ± 1.28 D (range -1.00 to -5.75 diopters).



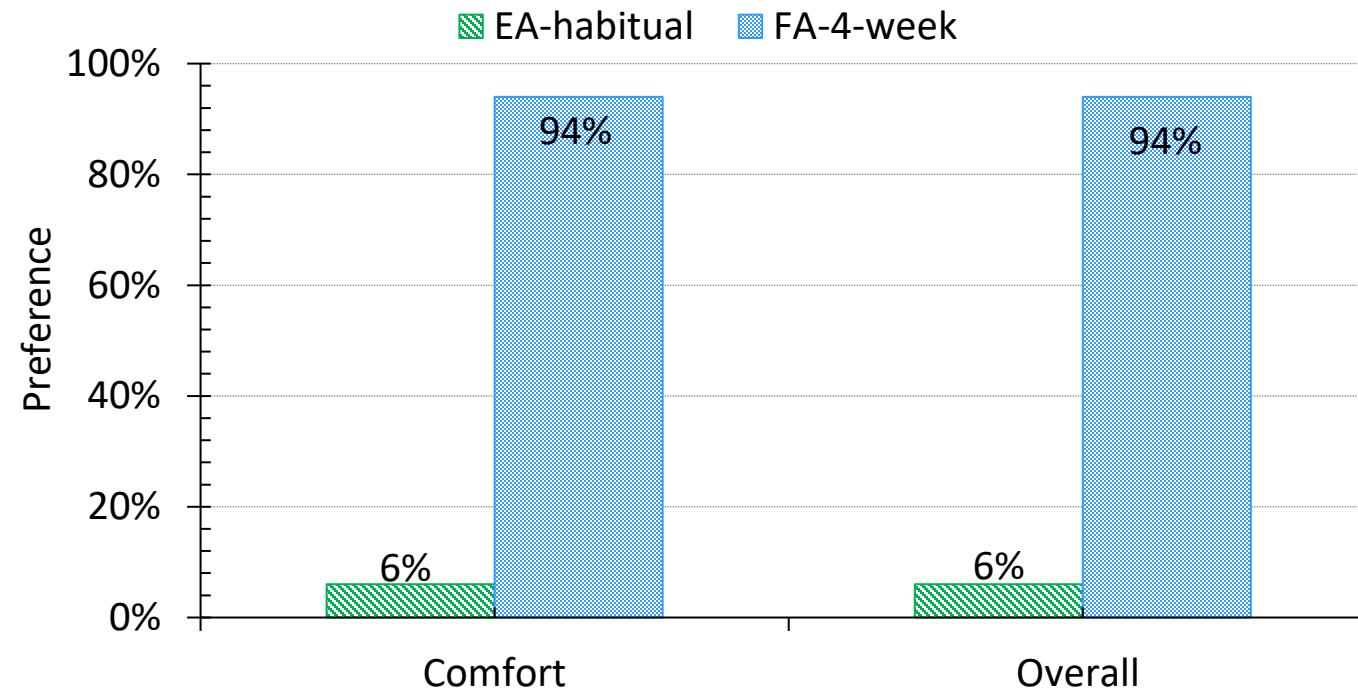
Results

- FA lenses were rated better than the EA lenses for overall comfort (8.9 ± 0.9 vs. 8.0 ± 0.9 , $p = 0.000$), overall dryness (8.8 ± 0.9 vs. 7.9 ± 1.3 , $p = 0.005$), and for ease of handling (9.6 ± 0.7 vs. 8.9 ± 1.4 , $p = 0.016$).



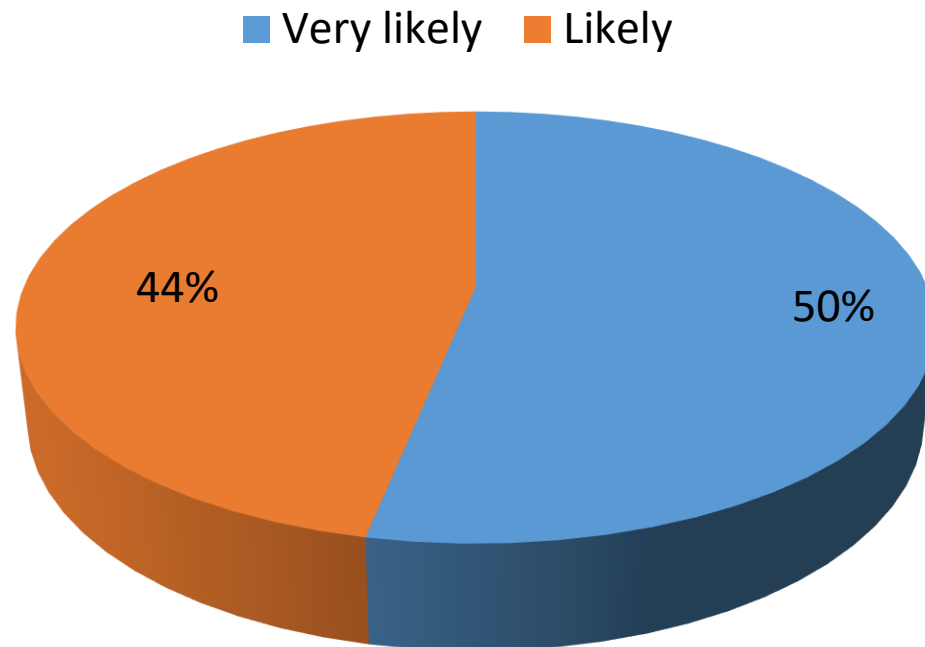
Results

- FA lenses were more preferred for comfort and overall performance than the EA lenses ($p < 0.05$).



Results

- After 4-weeks of wear, 94% of subjects reported that they were very likely / likely to switch to the FA lenses.



Discussion (Conclusion)

- FA lenses provided superior comfort, dryness, and handling experiences than the subject's habitual EA lenses after a simple refit and 4-weeks of daily wear.

Study conducted at GIO (University of Valencia, Spain) with support from CooperVision Inc. First two authors are employees of CooperVision Inc. Third author is a professor at the University of Valencia, Spain.

