



Water Surface Daily Disposable Wear Experience in Previously Satisfied Contact Lens Wearers

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PURPOSE

The purpose of this study was to assess the wear experience of a daily disposable contact lens which has a water surface treatment (PRECISION1®, Alcon, Fort Worth TX) using satisfied wearers of a commonly fit 2-week replacement lens (Acuvue® Oasys®, Johnson and Johnson Vision, Jacksonville, FL).

METHODS

30 satisfied Acuvue® Oasys® wearers were consented to participate in the study. Participants were evaluated to determine that no ocular health issues or other exclusion criteria were present. Lens fit and the prescription of the participants Acuvue Oasys lenses was evaluated and optimized if necessary. New lenses were dispensed to ensure subjects experienced clean, new lenses. After 1 week of lens wear with the optimized Oasys® lenses, participants were fit into the PRECISION1® lenses. Participants completed a Visual Analog Scale (VAS) survey of their initial impressions and were dispensed lenses. After wearing lenses for two weeks, participants returned for a final assessment and completed VAS assessments for overall ratings of quality of vision and comfort while wearing P1 lenses.

Initial impressions of the water surface treated soft daily disposable lenses revealed median scores over 90 on a 0-100 VAS scale when rating Vision, Comfort and Satisfaction in a group of participants who previously reported satisfaction with their habitual 2-week replacement lenses.

Table 1. Median and interquartile range scores of initial impressions ranked using a 0-100 visual analog scale (VAS)

(n=30)	Initial Quality of Vision	Initial Comfort	Initial Satisfaction
Median	92.50	92.50	93.00
Interquartile Range	11.75	18.00	18.00

RESULTS

30 satisfied wearers of 2 week-replacement lenses (Acuvue® Oasys®) completed a 3 visit study. Fit and vision was optimized with the 2 week lenses before being fit into PRECISION1® lenses to insure any responses when scoring the study lenses was based upon wear experience rather than changes in refractive error. Median (\pm interquartile range) VAS scores of Initial impressions after being fit with PRECISION1® lenses were positive when assessed by VAS for vision [92.50(\pm 11.75)], comfort [92.50(\pm 18.00)] and satisfaction [93.00(\pm 18.00)]. Overall wear experience was assessed by VAS after 2 weeks of PRECISION1® lens wear, with a median score of 91.00(\pm 17.00) for overall quality of vision and 93.00(\pm 30.00) for overall comfort.

CONCLUSION

Participants who were already satisfied with their current planned replacement soft contact lenses rated their vision and satisfaction high when fit into water surface treated daily disposable lenses.

DISCLOSURES

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