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Poster Abstracts
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Comfort and ocular surface impact of PRECISION1® contact lenses (Alcon) in satisfied ACUVUE OASYS 1 day Max® (J&J) wearers

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Purpose: To evaluate comfort, vision quality, and ocular surface impact in satisfied wearers of ACUVUE OASYS 1 day Max® (AO1-M) daily disposable lenses after switching to PRECISION1® (P1), and to assess tear film parameters with an objective diagnostic platform
Method: This prospective, single-center, non-interventional study enrolled 30 participants aged 20–40 years, all satisfied AO1-M contact lenses wearers (≥70/100 on a visual analog scale, VAS). After ≥14 days of P1 wear, subjective outcomes were assessed using the Contact Lens Dry Eye Questionnaire-8 (CLDEQ-8) and VAS for comfort and vision. Objective parameters were measured with the C.DIAG® system (Quantel Medical, Clermont Ferrand, France), including non-invasive tear break-up time (NIBUT), interferometry, blink analysis, and tear meniscus height.
Results: Mean age was 27.3 ± 3.2 years; 76.7% were female. Baseline Ocular Surface Disease Index indicated minimal symptoms (6.93 ± 3.77). After P1 wear, mean CLDEQ-8 score was 6.33 ± 2.82: 56.7% “Excellent,” 33.3% “Very Good,” 10% “Good.” VAS ratings were 86.6 ± 10.8 for comfort and 87.3 ± 9.4 for vision. NIBUT averaged 11.5 ± 4.4 seconds (OD) and 11.8 ± 4.3 seconds (OS). Interferometry grades were stable (4.0 ± 0.2), with consistent tear meniscus height. Overall, 87% of participants wished to continue P1 wear.
Conclusions: Switching from AO1-M to P1 maintained high levels of satisfaction in already satisfied wearers. P1’s water-gradient design supported tear film stability and ocular surface integrity. Objective C.DIAG® assessments aligned with subjective outcomes, confirming the biocompatibility and clinical performance of P1 contact lenses. Larger controlled studies are needed to validate these findings.

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