Struggle with Soft Contact Lens Wear is Addressed by Refitting with Daily Disposable Lenses: 4 Month Follow-up from the TEMPO Registry

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BACKGROUND & INTRODUCTION

- Soft contact lens (SCL) wearers often struggle with contact lenses during the entire wearing day(1-4).
- These gaps in SCL performance often result in symptoms significant enough to cause a discontinuation of SCL wear(5).
- There are no ‘standards of care’, per se, for the treatment of SCL wearers who are struggling to wear SCLs comfortably. Many studies have addressed by refitting habitual SCL wearers with silicone hydrogel (SiHyDD) or hydrogel daily disposable (HydDD) lenses have performed well in every manner possible (e.g., include imaging of lenses and lengthens the comfortable wearing day).
- The 8-item Contact Lens Dry Eye Questionnaire (CLDEQ-8) has been developed and validated to reflect overall opinion of habitual SCLs as subjects enter a clinical trial and to reflect change in that opinion after refitting. The CLDEQ-8 has not been tested in a large population of DD lens wearers.

METHODS

The primary purpose was described as changing the contact lens type (CLT) performance as addressed by refitting habitual SCL wearers with silicone hydrogel (SiHyDD) or hydrogel daily disposable (HydDD) lenses in the TEMPO registry (HydDD vs. HydDD vs. Other DD). Secondary purposes were to test performance of disposable (HydDD) lenses in the 611 registered habitual SCL wearers with 2 Week and 4 Month questionnaire follow-up in an ongoing 12 Month observational Registry (HydDD vs. HydDD). Registry Population IRB approval and informed consent completed prior to registration and adherence to the Registry Protocol and individual SCL types. Registry Population: 96 Reusable Hydrogels (Hyd) and 169 Daily Disposable Hydrogels (HydDD). Registry Population: 96 Reusable Hydrogels (Hyd) and 169 Daily Disposable Hydrogels (HydDD). Registry Population: 96 Reusable Hydrogels (Hyd) and 169 Daily Disposable Hydrogels (HydDD). Registry Population: 96 Reusable Hydrogels (Hyd) and 169 Daily Disposable Hydrogels (HydDD). Registry Population: 96 Reusable Hydrogels (Hyd) and 169 Daily Disposable Hydrogels (HydDD). Registry Population: 96 Reusable Hydrogels (Hyd) and 169 Daily Disposable Hydrogels (HydDD). Registry Population: 96 Reusable Hydrogels (Hyd) and 169 Daily Disposable Hydrogels (HydDD). Registry Population: 96 Reusable Hydrogels (Hyd) and 169 Daily Disposable Hydrogels (HydDD). Registry Population: 96 Reusable Hydrogels (Hyd) and 169 Daily Disposable Hydrogels (HydDD).

RESULTS

- After refitting, CLDEQ-8 scores improved significantly for all groups and remained relatively stable through the 4 months of follow-up. Lower CLDEQ-8 score indicates less frequent and intense symptoms and fewer coping strategies.
- After refitting, CLDEQ-8 scores improved significantly for all groups and remained relatively stable through the 4 months of follow-up. Lower CLDEQ-8 score indicates less frequent and intense symptoms and fewer coping strategies.
- The TEMPO Registry is registered at clinicaltrials.gov as NCT#01467557.

CONCLUSIONS

- More than 90% of DD wearers were “excellent” in compliance after 4 months in DD lenses, regardless of habitual CL type.
- Fewer steps leads to increased confidence and compliance Ease of Use
- More than 90% of DD wearers of habitual DD lenses gave significantly higher ratings for ease of use compared to wearers of Reusable lenses. Ease of use rated “extremely easy” or “very easy” by 90% of DD lens wearers regardless of habitual CL type.

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REFERENCE