

## The Eye Doctor Premium® Heated Eye Compress (PHEC) Plus The Eye Doctor Tea Tree Oil Wipes (TTOW) Trial



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Later day contact lens discomfort is a frequent complaint amongst contact lens wearers. Historically treatments have been approached from the direction of lens design changes, often frequently and almost as often with little or no success. This trial used the CLDEQ-8 to query the frequency and intensity of 5 symptoms associated with contact lens discomfort, subjective scores, and clinical measures to assess the response to the planned treatments.

## **Objective**

The primary objective of this trial was to determine if statistically significant differences (SSDs) could be measured using (1) the 8-item Contact Lens Dry Eye Questionnaire (CLDEQ-8), (2) the subjective vision score, (3) the subjective comfort score, (4) the pre-lens non-invasive tear breakup time (PLNITBUT), and (5) the meiboscore among subjects who had mild or moderate late day contact lens discomfort when treated with a warm heat application (The Eye Doctor Premium® Heated Eye Compress) plus Tea Tree Oil Wipes (The Eye Doctor Tea Tree Lid Wipes) regimen.

#### Methods

This was a prospective, open-label, single group trial. Subjects were not masked to Sponsor or treatment. Eleven (11) subjects were enrolled. One (1) subject withdrew, and 10 subjects completed the trial. Potential patients were consented and screened with the CLDEQ-8 and a clinical exam. Those who met the inclusion/exclusion criteria were enrolled, treated, and scheduled for follow-up and exited after 21 ± 2 days.

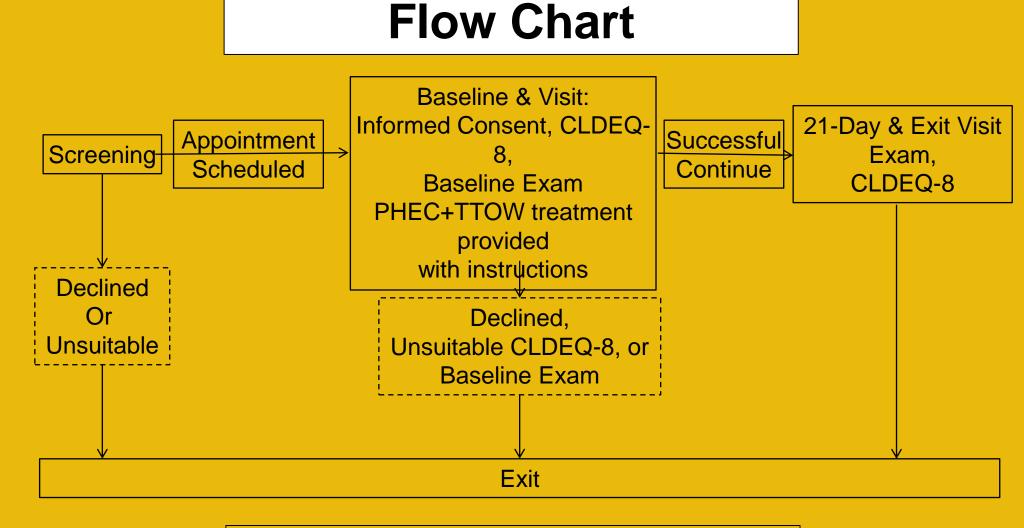
#### **Inclusion Criteria**

- CLDEQ-8 score indicating mild to moderate later day contact lens
- discomfort. Complaint of or documented contact lens discomfort for at least 3 months.
- Agreement to the trial protocol.
- Agreement to the trial visit schedule...

#### **Exclusion Criteria**

- Ocular surgery within 6 months or enrollment that contraindicates
- PHEC+TTOW treatment
- Existing heat application and/or lid cleaning
- A clinical need for a lens design or Rx change.

## the**eye**doctor\* **Antibacterial Eye Compress Treatment Pack** Hot & Cold Includes Eyelid Wipes & Storage Bag **Blepharitis** MGD Dry Eye



# Biodegradable the eyedoctor 20 BIODEGRADABLE FOR DAILY EYELID HYGIENE SUITABLE FOR Blepharitis. Dry Eye Disease, MGD & Demodex

## Results

### **Subject Profile**

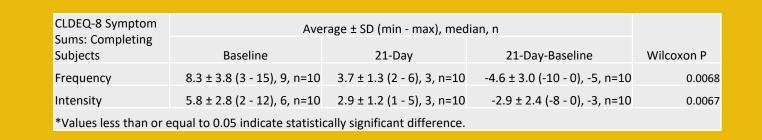
Completing Subjects: Sex & Age	Sex	%	Age
female	8	80%	62.9 ± 7.1 (52 - 71)
male	2	20%	69.3 ± 1.9 (68 - 71)
total	10	100%	64.2 ± 6.9 (52 - 71)

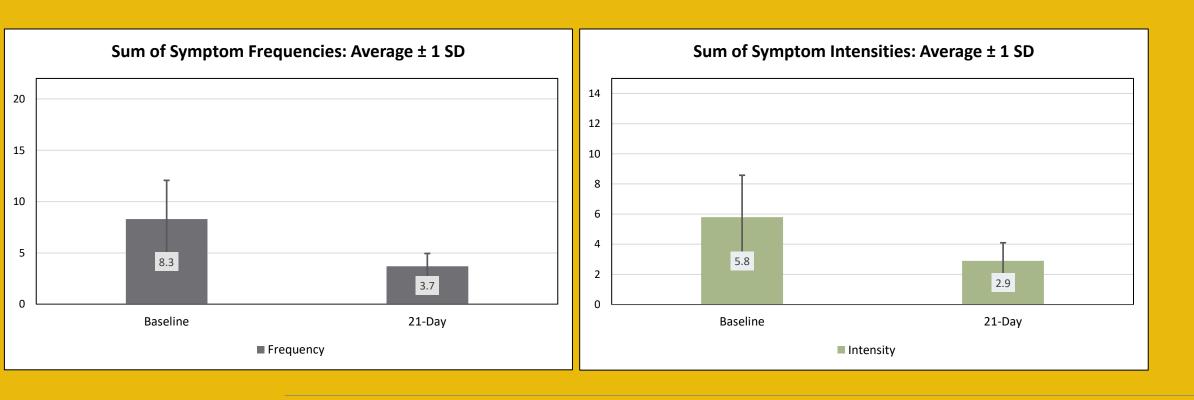
Completing Subject: CL Wear	Baseline	21-Day	21-Day-Baseline
days/week	6.6 ± 0.7 (5 - 7), n=10	6.7 ± 0.7 (5 - 7), n=10	0.1 ± 0.3 (0 - 1), n=10
hours/day	10.6 ± 3.0 (6 - 14), n=10	11.1 ± 2.3 (8 - 15), n=10	0.5 ± 2.5 (-2 - 6), n=10
Eyes wearing	both, 9; only 1 eye, 1	both, 9; only 1 eye, 1	

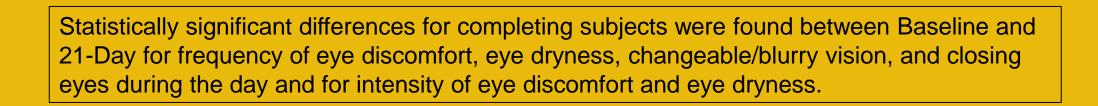
#### **CLDEQ-8**

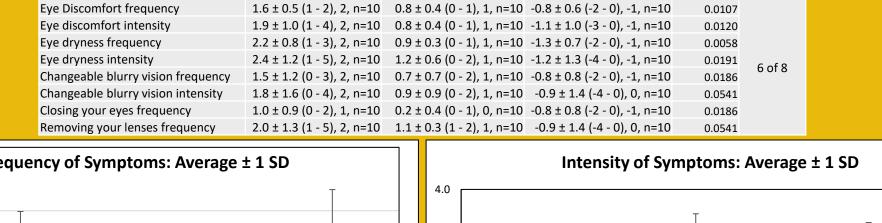
Subjective Scoring: Completing

Statistically significant differences indicating improvements in total frequency and total intensity of symptoms for completing subjects were found between Baseline and 21-Day.

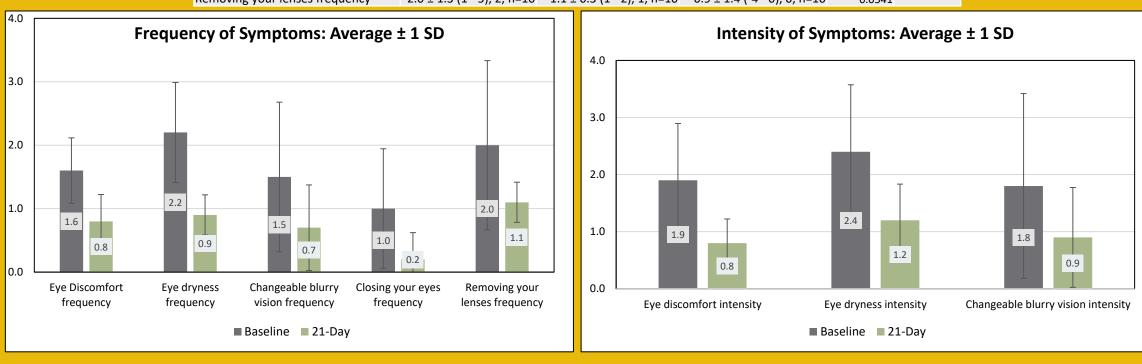


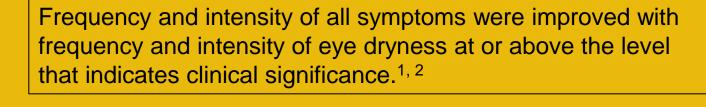


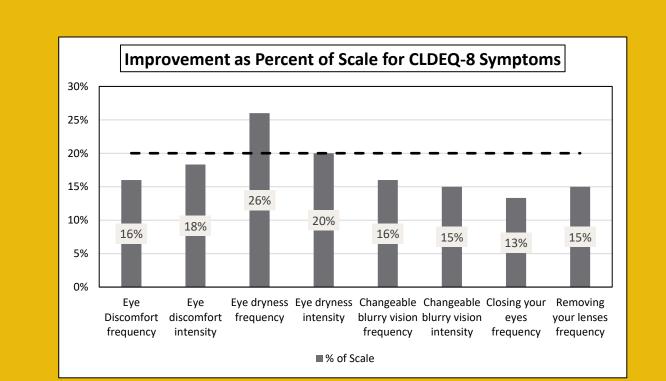




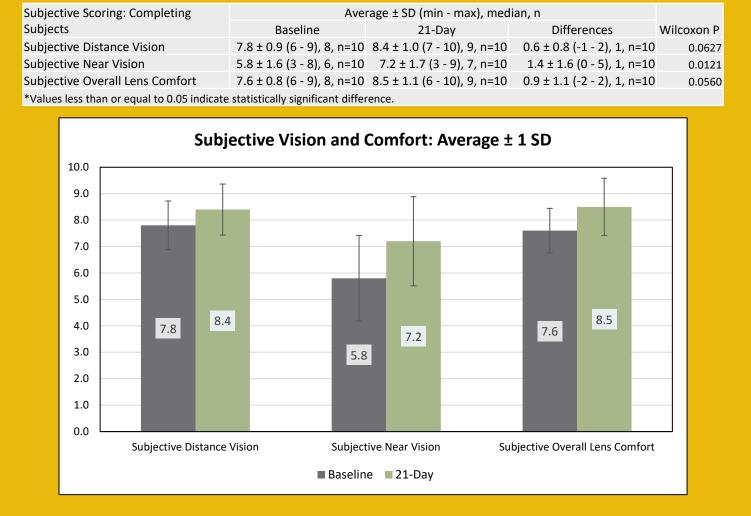
Average ± SD (min - max), median, n



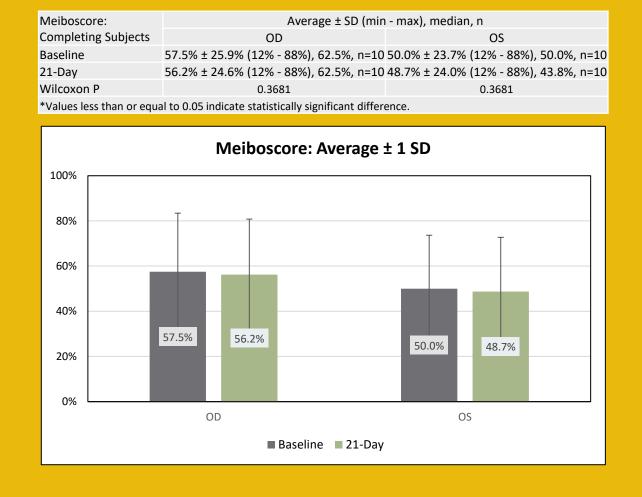




## **Subjective Vision & Comfort**



#### Meiboscore



#### **Snellen Visual Acuity Transformed to** Visual Analog Scale (VAS)

No statistically significant differences were found between Baseline and 21-Day for distance or near visual acuity with either habitual correction or best corrected power.

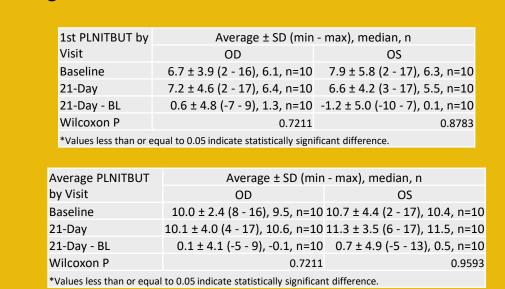
#### Biomicroscopy

Biomicroscopy signs for completing subjects showed slight improvement from Baseline to 21-Days. Inferential statistical comparisons were not made for biomicroscopy signs.

Slit Lamp: Completing Subjects	Average ± SD (min - max), median, n				
	Baseline		21-Day		
	OD	OS	OD	OS	
Conjunctival hyperaemia	0.3 ± 0.5 (0 - 1), 0.0, n=10	0.2 ± 0.4 (0 - 1), 0.0, n=10	0.0 ± 0.0 (0 - 0), 0.0, n=10	0.0 ± 0.0 (0 - 0), 0.0, n=10	
Limbal hyperaemia	0.3 ± 0.5 (0 - 1), 0.0, n=10	0.5 ± 0.7 (0 - 2), 0.0, n=10	0.1 ± 0.3 (0 - 1), 0.0, n=10	0.0 ± 0.0 (0 - 0), 0.0, n=10	
Corneal NaFl staining	0.1 ± 0.3 (0 - 1), 0.0, n=10	$0.0 \pm 0.0 (0 - 0), 0.0, n=10$	0.1 ± 0.3 (0 - 1), 0.0, n=10	$0.0 \pm 0.0 (0 - 0), 0.0, n=10$	

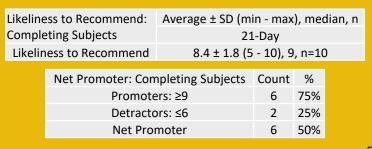
#### **Pre-Lens Non-Invasive Tear Break-Up Time (PLNITBUT)**

No statistically significant differences were found for either the 1st or average PLNITBUT



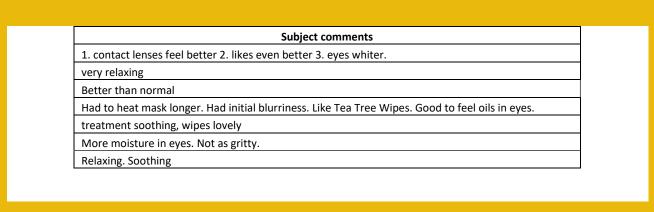
#### **Likeliness to Recommend & Net Promoter**

Likeliness to recommend the treatment among completing subjects averaged greater than 8 with 75% being promoters. These indicate that the treatment is likely to be wellrecommended by 50% of those who receive it.3



#### **Subject Comments**

Comments from 7 subjects who completed the trial were reported





## Conclusion

These results indicate that treatment with The Eye Doctor Premium® Heated Eye Compress Plus The Eye Doctor Tea Tree Oil Wipes produces statistically significant improvements in many contact lens symptoms among soft contact lens wearers that may not be reflected in a categorical clinical test and that the treatment may be enthusiastically recommended by patients. These results indicate that The Eye Doctor Tea Tree Oil Wipes is a promising treatment for soft contact lens wearers who have complaints, enabling them to wear lenses longer, with fewer problems and so may improve patient retention and reduce drop-out.

**Declarations** 

This trial was funded for The Body Doctor Ltd, Unit 7, Denby Dale Industrial Estate, Wakefield Road, Denby Dale, Huddersfield, United Kingdom, HD8 8QH. Mr Andrew D Price provides consultancy work for The Body Doctor.

2. Farrar, J., J. Berlin, B. Strom: Clinically important changes in acute pain outcome measures: A validation study. J Pain Symptom Mgmt, 2003. 25(5): p. 406-411. 3. Reicheld, FF: The One Number You Need To Know. Harvard Business Review,

December, 2003: p 46-54.