

## The Eye Doctor Premium® Heated Eye Compress Plus The Eye Doctor Tea Tree Oil Wipes Trial

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### **Abstract**

#### Purpose:

To determine if statistically significant differences (SSDs) can be measured using (1) the Contact Lens Dry Eye Questionnaire (CLDEQ-8), (2) the patient's subjective vision score, (3) the patient's subjective comfort score (4) the Pre-Lens Non-Invasive Tear Breakup Time (PLNITBUT), and (5) the Meiboscore among subjects who have mild or moderate later day contact lens discomfort when treated with a warm heat application (The Eye Doctor Premium) plus tea tree lid wipes (The Eye Doctor Tea Tree Lid Wipes) regimen.

#### Methods:

Potential subjects who met all inclusion and exclusion criteria were enrolled, instructed in the use of the treatments, and dispensed with the treatments. Subjects were to return after  $21 \pm 2$  days to complete the CLDEQ-8, subjective vision and comfort scoring, a clinical exam, and exit the trial. Manufacturers' instructions for application and use of the treatments were to be followed and consultative services were to be used when needed. Additional clinical and subjective data were collected at each visit.

Subjects were to continue with their habitual regimen of cleaning and disinfecting with their normal products. Subjects were also to continue using any habitual contact lens rewetting drops, eye drops, and/or dry eye oral supplements. Contact lenses and associated cleaning and eyecare products were not provided to subjects in this trial.

Subjects received clinical exams and provided subjective assessments at the Baseline Visit. They were instructed in using the Eye Doctor Premium® Heated Eye Compress and Tea Tree Oil Eyelid Wipes, treated, and dispensed to use them for  $21 \pm 2$  days at which time they were to return for a clinical exam, subjective assessments, and to exit the trial.

#### Results:

For the primary variables, statistically significant improvements were found for 75% of symptoms queried with the CLDEQ-8 with improvements that may be subjectively and clinically significant for all symptoms. Subjective vision and overall lens comfort scores were improved with statistically significant improvement found for subjective near vision. No statistically significant improvement was found for the meiboscore.

For additional variables, 75% of subjects were indicated to be enthusiastic promoters of the treatment. Small improvements were found for some clinical vision measures, daily wearing time, PLNITBUT, and biomicroscopy. Seven (70%) of completing subjects gave favorable comments about the treatment.

#### 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 Premium® Heated Eye Compress Plus 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 and with fewer problems, and so may be thought to aid contact lens patient retention and reduce drop-out.

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