



eye hydration products

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Studies:

Various institutions have carried out studies on the Tranquileyes and Thermoeyes products. The latest set of results were published in July 2007:

New Dry-Eye Study Confirms Benefits of Tranquileyes Eye Hydrating System

TEMECULA, CA . . . Forget the warm compresses, a new study finds Tranquileyes Eye Hydrating System offers superior relief for patients suffering from a wide-spread condition known as dry-eye.

Robert Gerowitz, OD, FOAA, who has been treating dry-eye patients for more than 25 years, recently completed the Thermoeyes System Holistic Approach to Dry Eye Study. The S.H.A.D.E. Study compared the effectiveness of traditional warm compresses to Thermoeyes heat packs used with the Tranquileyes goggles. For the study, Dr. Gerowitz selected 14 patient volunteers and had them wear Thermoeyes on their right eye and warm compresses concurrently on their left for an eight-week period. This was in addition to any lifestyle-dietary-pharmaceutical treatments they were already receiving.

The three factors he most wished to enhance for the alleviation of Tear Evaporative Dry Eye was an increase Tear Break-up Time (TBUT), an improvement in the Meibomian Gland Dysfunction (MGD) grading scale, and a lessening of patient subjective complaints. At the same time, he wished to determine if he could "build a better mousetrap" by not only going to a holistic dry eye treatment but also make treatment more convenient and comfortable.

The results showed 1) The Thermoeyes system improves Tear Break-up Time by 57% over standard warm compress, 2) The Thermoeyes system was proven up to 223% more effective than warm compresses for managing Meibomian Gland Dysfunction, 3) All patient symptoms decreased or were all together alleviated.

Over 60 million Americans suffer from potentially debilitating dry-eye symptoms and the numbers are growing. Dry-eye symptoms include fatigue, dryness, redness, scratchiness and burning, and can be caused by vision-correction surgery, contact lens use, low humidity

environments, prolonged computer use, allergies and certain medications – to name a few. The most common cause of dry eye symptoms is normal aging.

July is Dry Eye Awareness Month and the perfect time to raise awareness of effective dry-eye treatments. Tranquileyes goggles naturally restore moisture by creating heat and increasing humidity around the eye, which helps stimulate tear production and reduce the evaporation of natural tears. Thermoeyes gel pad inserts boost the intensity and duration of the tranquileyes moist heat treatment. The extra heat helps open the meibomian glands which secrete the oily lipid layer of the tear film, slowing evaporation of natural tears.

Many doctors recommend Tranquileyes Eye Hydrating System for their dry eye patients. For example, Dr. Robert Latkany, one of the country's leading dry-eye experts and author of the new book *The Dry Eye Remedy: The Complete Guide to Restoring the Health and Beauty of Your Eyes*, has tested Tranquileyes and now recommends the system for his patients.

And Jonathan R. Pirnazar, M.D. was the Assistant Clinical Professor in the Department of Ophthalmology at University of California, Irvine when he tested Tranquileyes and found "All of my patients experienced subjective benefits (i.e. extremely relaxing and comfortable to use) and 75% recognized measurable improvement in their dry eye condition within two weeks of using tranquileyes to enhance their existing treatment."

Tranquileyes goggles are hypoallergenic and made with FDA approved materials. They feature a beautifully sculpted eye cover, made from medical grade, flexible material. Fabric lined visco-elastic foam especially designed to form to the face, cushions the eye cover, providing increased comfort while controlling the temperature and humidity within the eye environment. A uniquely designed adjustable comfort wrap holds the eye covers in place and the stretch fabric ensures no pinching, even with extended wear.

Eye Eco, Inc., based in Temecula, CA, is committed to giving back to the community and donates a percentage of net sales to non-profit organizations dedicated to finding a cure for Sjogren's Syndrome and other diseases that cause chronic dry eyes.

Dr. Robert Gerowitz is in private practice in Palatine, Illinois. He specializes in Dry Eye Treatment and Orthokeratology. Dr. Gerowitz has no financial interest in any of the products or companies mentioned in this study.

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2005

Results of Patient Study with Dr. Latkany

In the summer of 2005, Dr. Latkany conducted a study of dry eye patients who wore tranquileyes. All 20 patients in the study had nocturnal lagophthalmos (the inability to close the eyes at night) which can cause dry eyes. It is estimated that 5% of the population sleeps with its eyes open.

Symptoms Reduced

Dr. Latkany used the OSDI score to determine the level of severity of symptoms. Patients on average noted a reduction in overall symptoms from 33.85 to 22.4 after wearing tranquileyes at night for 1 month. A total of 85% of patients reported an improved quality of sleep.

"tranquileyes is a fantastic alternative to having to put ointment inside the eyes or using tape to close the eyes." Dr. Latkany said. "Some patients found that the goggles achieved even a better result than these two other therapies... Some people have claimed tranquileyes has changed their life forever."

About Robert Latkany, M.D.

Robert Latkany, M.D.

Founder/Director Dry Eye Clinic NY Eye & Ear Infirmary Center for Ocular Tear Film Disorders at Laser & Corneal Surgery

Author of 'The Dry Eye Remedy - The Complete Guide to Restoring the Health and Beauty of Your Eyes'

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Dry Eye Center of New York is committed to treating all disorders of the surface of the eye. Dr Robert Latkany is the first New York Eye Doctor to devote a significant portion of his practice to the treatment of dry eyes and blepharitis. He founded and is the director of the Dry Eye Clinic at the New York Eye & Ear Infirmary, the first Dry Eye Clinic in the tri-state area.

In his private office in midtown Manhattan Dr. Latkany specializes in treating patients with Dry Eyes, Blepharitis, Pterygium, Pingueculum, Corneal Ulcers, Corneal Scars, Corneal swelling requiring Corneal Transplantation, Stem Cell deficiency, poorly healing Epithelial Defects (non-healing skin-defects in the eye) that may require Amniotic Membrane Transplants, Ocular Rosacea, and Styes. He also performs LASEK or PRK for patients interested in refractive surgery.

Dr. Robert Latkany is a board certified and Cornea & External Disease

Fellowship Trained Ophthalmologist. He graduated from Columbia University and the Boston University School of Medicine. He did his Residency Training and Fellowship Training at the New York Eye & Ear Infirmary.

Dr. Latkany is actively involved in Dry Eye research and lectures nationally and internationally. He has published several professional papers and has filed two patents.

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Results of Patient Studies with Dr. Jonathan R. Pirnazar, MD Assistant Clinical Professor of Ophthalmology, UCI

"Dry eyes is a common issue that can be very debilitating. The cause and degree of severity are a function of an individual's physical condition, lifestyle and environment. While there is no cure, people can help offset symptoms by keeping their eyes moist using a combination of available treatments that include artificial tears, Omega 3 supplements, flaxseed oil, RESTASIS, and a new product called tranquileyes.

Tranquileyes creates a high humidity, moisture rich environment around the eyes that relieves symptoms of dryness by significantly reducing the evaporation of natural tears. Studies have also found the increased humidity may help improve the overall health of the eye by thickening the outer layer of the tear film, thereby giving the eye back some defense against evaporation.

All of my patients experience subjective benefits (i.e. extremely relaxing and comfortable to use) and 75% recognize measurable improvement in their dry eye condition within two weeks of using tranquileyes to enhance their existing treatment."

Jonathan R. Pirnazar, M.D. is an Assistant Clinical Professor in the Department of Ophthalmology at University of California, Irvine. He is also an attending Surgeon in Ophthalmology at the Veterans Administration Medical Center in Long Beach, CA.

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