

ZEST[®]

THE IDEAL IN-PRACTICE SOLUTION TO DRIVE
CLINICAL AND BUSINESS SUCCESS

THE
BODY
DOCTOR. 

Zocular[®]

IN-PRACTICE TREATMENT



ZocuKit for ZEST

AT-HOME THERAPY



ZocuWipe

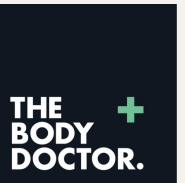


ZocuFoam



ZocuShield

COMPLETE SUITE OF PRODUCTS



Zocular®

Immediate Effectiveness in Minutes

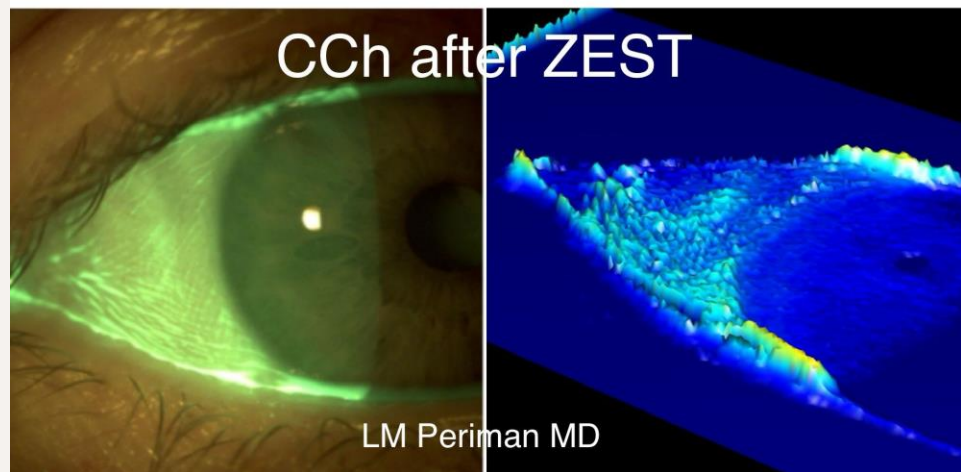
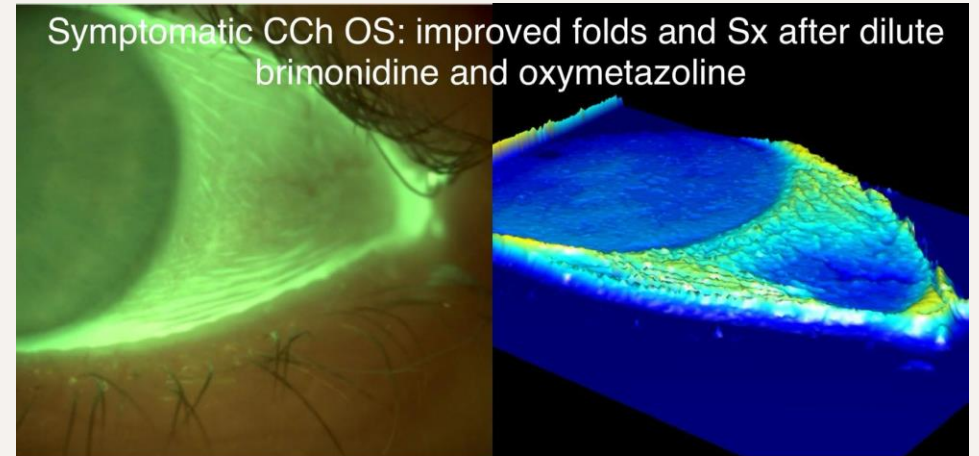
ZEST and Zocular redefine treatment success – clinical improvement is immediate and lasting. **This boosts patient satisfaction, increases referrals, and drives revenue growth.**



Eye care can now follow the dental hygiene – ZEST treatment every 6 months. Previous attempts failed due to the lack of patient comfort and satisfaction. ZEST is so soothing no anesthetic is needed. We **GUARANTEE** at least a 50% clinical improvement within 20 minutes.



Dr. Laura Periman: “Clinicians who understand the complex relationship between OSD pathophysiology, the eyelids, and the underlying dermatologic contributors also understand the high clinical value of professional eyelid cleaning with ZEST prior to IPL#1. This powerful in-practice combination is important for optimizing the patient experience and response to at-home therapies such as daily eyelid hygiene with ZocuSheild gel, quality AFT and prescriptions as necessary.”

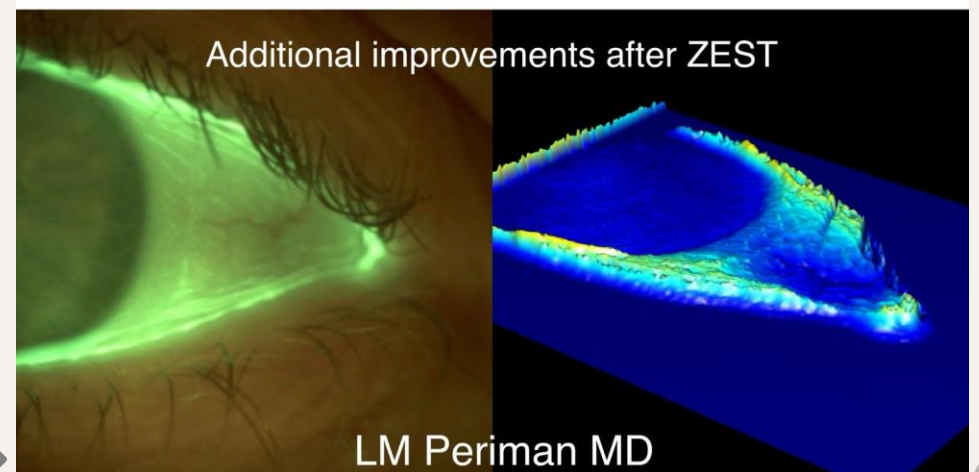


←

IMMEDIATE, DRAMATIC CLINICAL RESULTS IN MINUTES.

ZEST ALSO MAKES EVERYTHING ELSE WE DO BETTER.

→



ZEST[®] MAKES EVERY IN-PRACTICE TREATMENT BETTER

TURBO
CHARGE

IN-
PRACTICE
TREATMENT

DRY EYE TO
COSMETICS



ACHIEVE

- IMMEDIATE
- DRAMATIC
- SYNERGISTIC

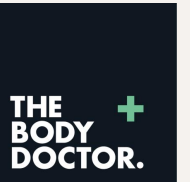
RESULTS



Adding ZEST treatment to any practice-based heat or light therapy delivers immediate and long-lasting clinical results



THE SCIENCE BEHIND ZEST[®]



Zocular[®]

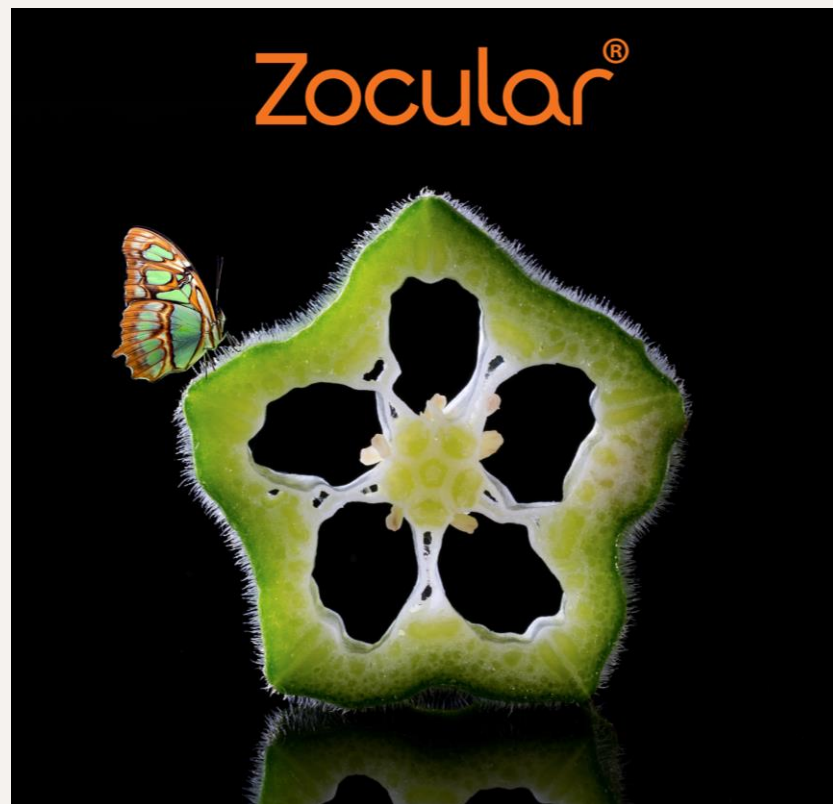
Original Article

Analgesic and Anti-Inflammatory Activity of Ethyl Acetate Extract of *Hibiscus cannabinus* (L.) Seed Extract

S. R. Chaudhari^{*1}, V. R. Patil¹, T. A. Deshmukh² and J. O. Bhangale³

'Okra' *Hibiscus esculentus* L.: A study of its hepatoprotective activity

S.I. Alqasoumi *



Anti-Inflammatory, Analgesic and Anti-Nociceptive Efficacy of Peel of *Abelmoschus esculentus* Fruits in Laboratory Animal

Zannatul Naim¹, Md. Mustahsan Billah^{2*}, Md. Ibrahim¹, Dipti Debnath³, S.M. Masud Rana^{4*}, Paroma Arefin⁵ and Md. Emdadul Hasan Mukul⁶

An improved method for the analysis of major antioxidants of *Hibiscus esculentus* Linn

Guanghou Shui, Leong Lai Peng*

Department of Chemistry, Food Science and Technology Programme, National University of Singapore, 3 Science Drive 3, Singapore 117543, Singapore

Analgesic, Anti-inflammatory and CNS Depressant Activities of the Methanolic Extract of *Abelmoschus esculentus* Linn. Seed in Mice

Mst. Luthfun Nesa¹, Md. Monirul Islam^{1*}, Md. Badrul Alam¹, Mst. Shirajum Munira¹, Shabnam Mollika¹, Mst. Nazmun Naheer² and Md. Rafiqul Islam³

POLYSACCHARIDE CONCEPT IS NOT NEW BUT IS RARELY USED IN CLINICAL MEDICINE

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58,274 results

RESULTS BY YEAR

1947 2024

CLIPPERS: chronic lymphocytic **inflammation** with pontine perivascular enhancement responsive to **steroids**. Review of an increasingly recognized entity within the spectrum of inflammatory central nervous system disorders.
Dudesek A, Rimmle F, Tesar S, Kolbaske S, Rommer PS, Benecke R, Zettl R. Clin Exp Immunol. 2014 Mar;175(3):385-96. doi: 10.1111/cei.12204. PMID: 24028073 Free PMC article. Review.
Chronic lymphocytic **inflammation** with pontine perivascular enhancement (CLIPPERS) is a recently defined inflammatory central nervous system (CNS) disorder.

More scientific evidence exists for complex sugars in addressing inflammation than for steroids!

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National Center for Biotechnology Information

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polysaccharides inflammation

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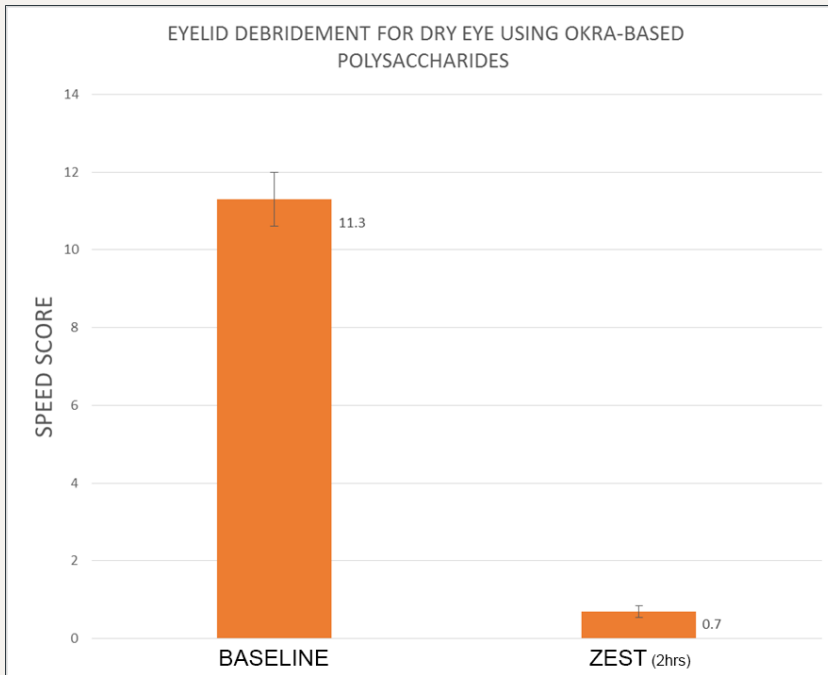
60,910 results

RESULTS BY YEAR

1938 2024

Hyaluronic Acid in **Inflammation** and Tissue Regeneration.
Litwiniuk M, Krejner A, Speyrer MS, Gauto AR, Grzela T. Wounds. 2016 Mar;28(3):78-88. PMID: 26978861 Free article. Review.
It has been proven to modulate via specific HA receptors, **inflammation**, cellular migration, and angiogenesis, which are the main phases of wound healing. ...In addition, the role of HA in 2 major steps of wound healing is examined: **inflammation** and the angiogenesis ...


CLINICALLY PROVEN RESULTS



IMMEDIATE CLINICAL RESULTS: Clinical study presented by Dr. Schachter at ARVO demonstrated SPEED score improved from severe 11.3 to 0.7 within 2 hours of ZEST treatment¹.

1, Schachter, S. Novel Okra Polysaccharide Approach to Inflammation Control for Dry Eye. ARVO 6741-B0265 (2019)

2. Narayan. Meibomian Gland Dysfunction Management With ZEST Protocol. 2019. <https://clinicaltrials.gov/study/NCT03968731>



Optometry's
meeting
LEARN. LEAD. CONNECT.

ZEST – Zocular Eyelid System Treatment – improves contact lens discomfort caused by MGD

Srihari Narayanan, Erika Bendert, Kathryn Owen, Thelzy Zamaron, Christian Lopez, Narges Kasraie
Rosenberg School of Optometry, University of the Incarnate Word, San Antonio, TX, United States

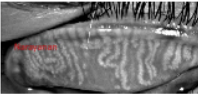
Introduction

- Contact lens discomfort (CLD) reduces CL tolerance and wear times. Meibomian Gland Dysfunction (MGD) often causes CLD.
- We have previously shown that lid margin debridement-scaling improves MGD signs and symptoms and decreases inflammatory marker matrix metalloproteinase-9 (MMP-9)
- Zocular is a novel “okra-based” formulation to enhance lid margin hygiene. The Zocular Eyelid System Treatment (ZEST) is performed in-office by the clinician
- The purpose of this clinical trial (NCT03968731) was to study improvement in CLD associated with MGD using the ZEST protocol.


Methods

- Thirty CLD patients with MGD (8 men; 26.5 +/- 7.51 years) consented to the study; ZEST was performed in all eyelids on the first visit
- Patients reported number of hours of CL wear per day and completed the CLDEQ-8 questionnaire prior to treatment and at 2-weeks and 1-month post treatment
- Quidel Inflammadry MMP-9 test was done prior to and 1-month post-treatment; Non-invasive tear break-up (NITBUT) was measured at each visit; Data was analyzed by paired samples t-test.


Melbomian Gland Dropout



Quidel Inflammadry

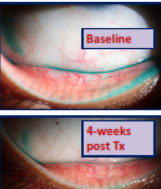


Zocular ZEST

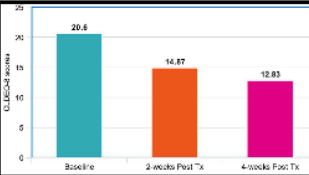


Results

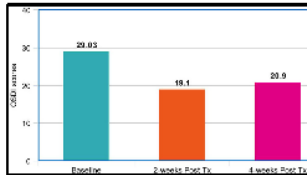
Decreased Lid Wiper epitheliopathy



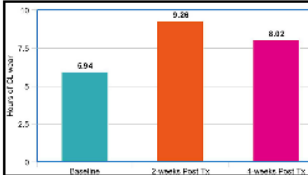
Decreased CLDEQ-8 scores Post ZEST Tx



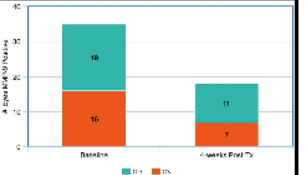
Decreased OSDI scores Post ZEST Tx



Increased CL Wear Time Post ZEST Tx



Decreased MMP-9 Post ZEST Tx



Conclusions


- Results show significant increase in CL-wear time and betterment in CLD symptoms following ZEST treatment
- The inflammatory marker MMP-9 was significantly decreased in the group post-treatment
- NITBUT showed a trend of betterment at the conclusion of the study
- The outcomes suggest that Improvement in lid margin hygiene subsequent to ZEST protocol contributes to better comfort and tolerance of contact lenses as well as an ocular surface environment with decreased inflammation

Acknowledgements

Funding:
UIW Faculty Development Research Grant
UIW Summer Fellowship Training Program
Zocular – Provided ZEST Kits

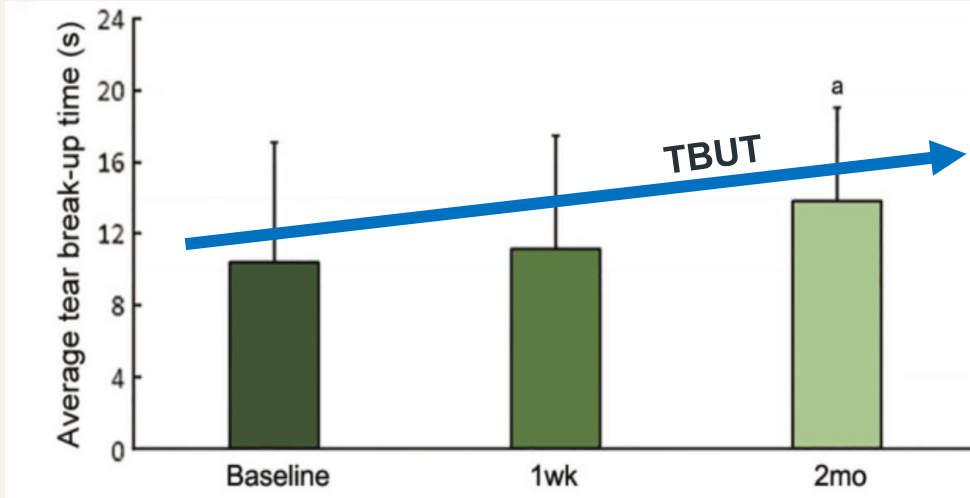
LONG-TERM CLINICAL RESULTS: Clinical study by Dr. Narayanan² showed substantial **subjective** and **objective improvements** in clinical measures in a 1-month clinical trial.

Results were from just a single ZEST treatment in the practice without any additional treatment. No artificial tear, warm compress, prescription eye drops, or any other therapy were done in the practice or at home other than ZEST x 1.



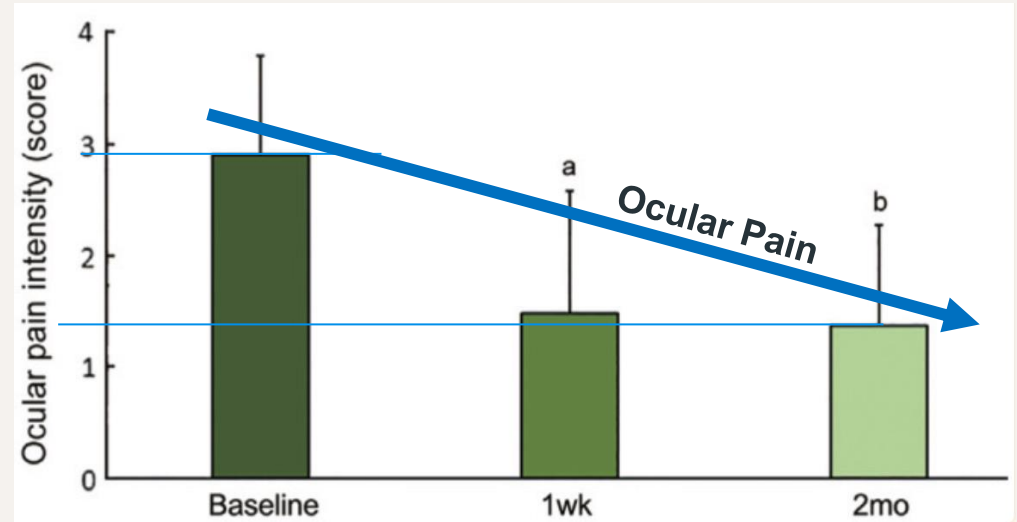
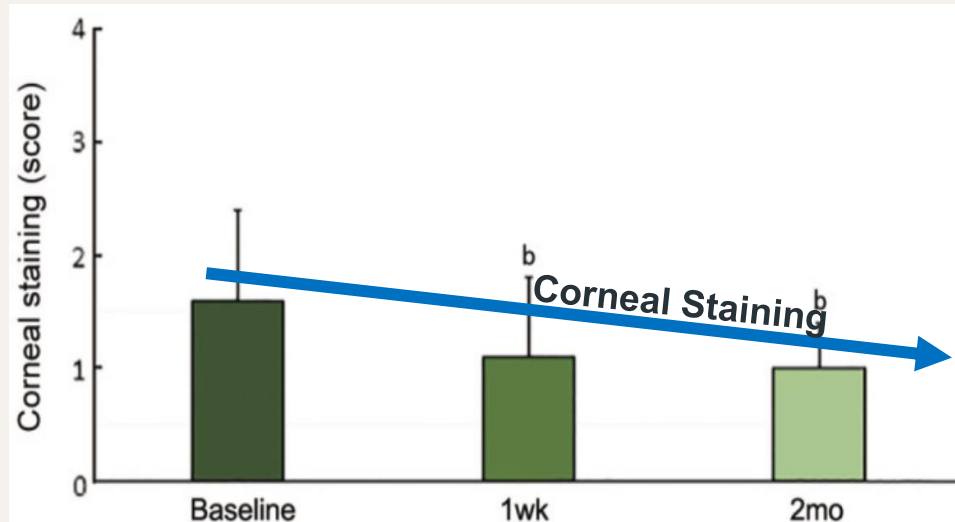
ZEST[®]

CLINICALLY PROVEN RESULTS



A single in-practice ZEST procedure has been shown to produce AT LEAST a sustained, clinically significant 2-month improvement in TBUT, Corneal Staining, and Ocular Pain.

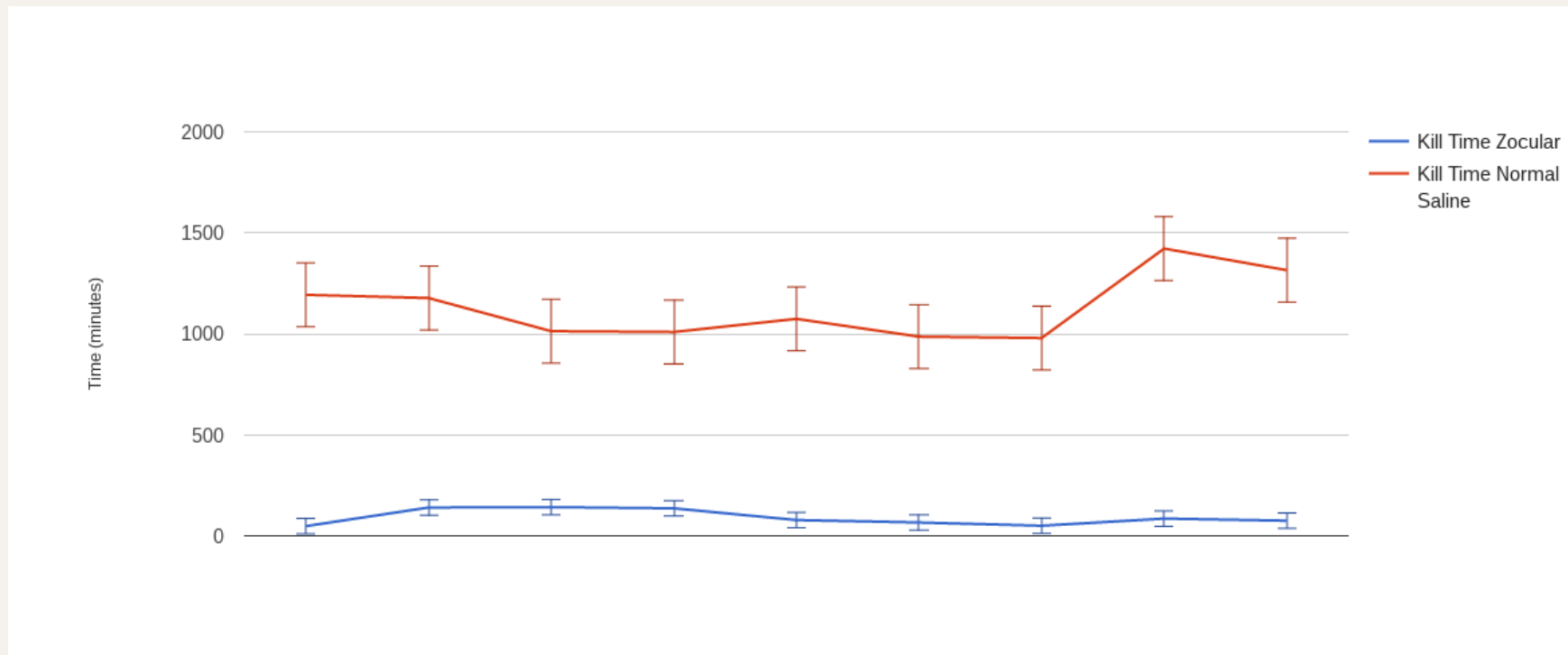
Ocular pain improved by ~60% with just one ZEST. This supports the thesis that targeting the initial pain cascade can produce lasting results since the root cause is addressed.



Diaz-Vega B, Rodriguez-Fabuel C, Vitores-Mate S, Carpena-Torres C. Lid scrubbing with a gel combining natural extracts for dry eye treatment. Int J Ophthalmol. 2023

The Power of Zocular with Okra Complex : Anti-Demodex

ANTI-DEMODEX



ANTI-DEMODEX EFFECTIVENESS OKRA = TTO

EXPERIMENTAL AND THERAPEUTIC MEDICINE 21: 338, 2021

Anti-demodectic effects of okra eyelid patch in *Demodex* blepharitis compared with tea tree oil

WENTING LIU^{1,2} and LAN GONG^{1,2}

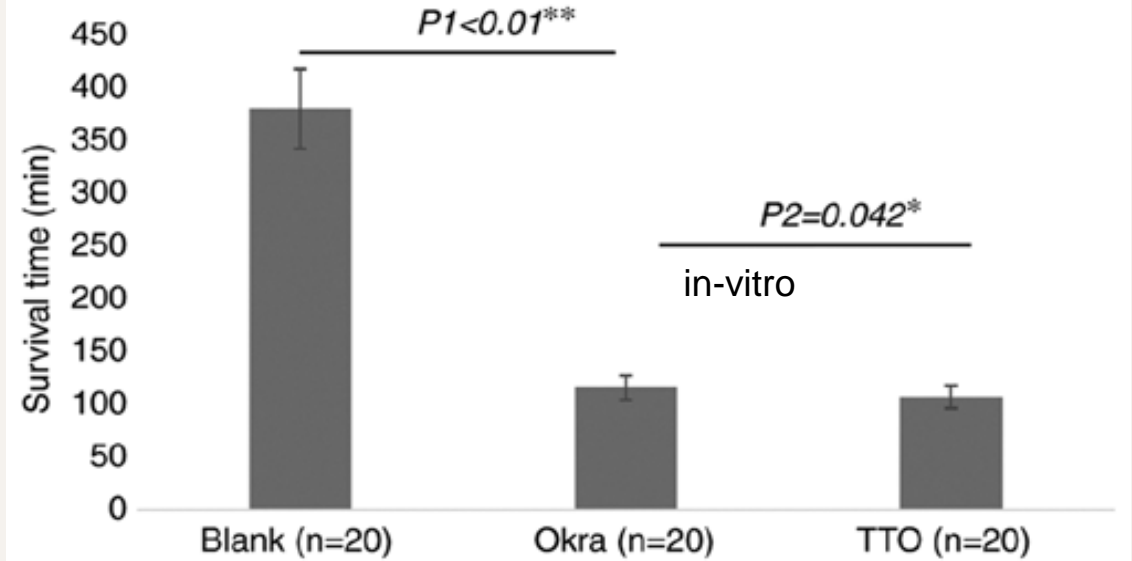
¹Department of Ophthalmology and Vision Science, The Eye, Ear, Nose and Throat Hospital of Fudan University;

²NHC Key Laboratory of Myopia, Laboratory of Myopia, Chinese Academy of Medical Sciences, Fudan University, Shanghai 200031, P.R. China

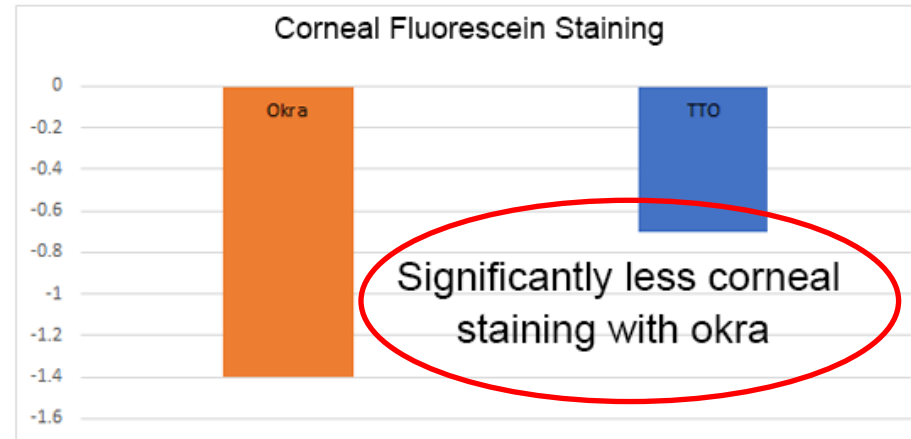
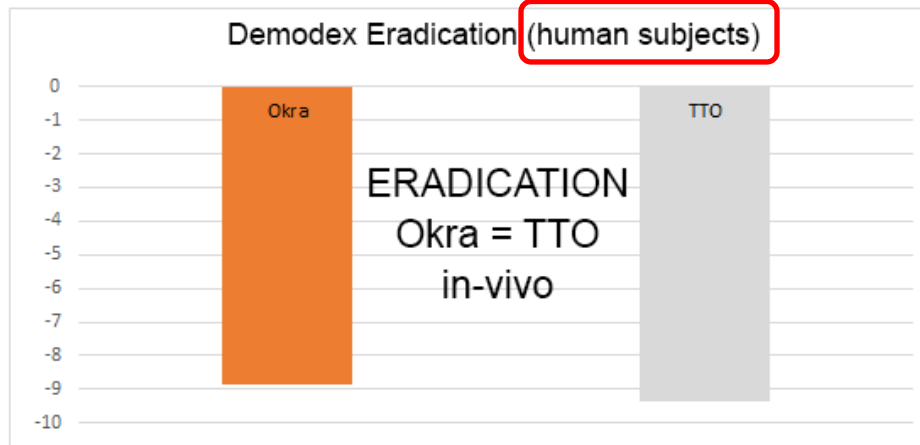
Received January 7, 2020; Accepted January 18, 2021

DOI: 10.3892/etm.2021.9769

Abstract. *Demodex* infection gradually develops to *Demodex* blepharitis, which is characterized as chronic inflammation of the eyelid and meibomian gland (MG) and ultimately leads to MG dysfunction. In the present prospective study, the rate of complete *Demodex* eradication in the treatment group (11/27, 40.74%) was slightly lower than that in the control group (12/25, 48%), but there was no significant difference between the two groups ($\chi^2=0.277$, $P=0.598$). Regarding



in-vivo



Okra has been shown to be JUST AS EFFECTIVE as tea tree oil at eradicating *Demodex* but without the ocular surface side effects and irritation.

VISUAL DEMONSTRATION OF THE POWER OF ZOCULAR OKRA TECHNOLOGY



Zocular®

The Power of Zocular with Zokrex Technology



The Power of Zocular Zokrex Technology



Temporal Episcleritis
7/10 Pain



5 Minutes Post ZocuShield
0/10 Pain

The Power of Zocular with Zokrex Technology



The Power of Zocular with Zokrex Technology

BROKEN TOE – 5 WEEKS OUT



20 MINUTES AFTER ZOCUSHIELD



The Power of Zocular with Okra Complex



Anti-Demodex



ZEST[®]

THE IDEAL IN-PRACTICE SOLUTION TO DRIVE
CLINICAL AND BUSINESS SUCCESS

THE
BODY
DOCTOR. 

Zocular[®]