















BlefariTTO® Eye Contour Shampoo



Primary hygiene product with antiparasitic (Demodex mites), antibacterial, antifungal and antiviral effect due to organic (certified) Tea Tree Oil, Sea Buckthorn Oil and geothermal water rich in sulfur. Chamomile oil and geothermal water soothe and relieve eye contour area.

> Sulfur in geothermal water and Terpinen 4 ol in Tea tree oil provide potent antiparasitic effect. Hyaluronic Acid has moisturising and anti-aging effect. Panthenol and Evitamin nourish. eye surrounding skin. Suitable for eye pH(7,2).



BlefariTTO® Eye Contour Shampoo

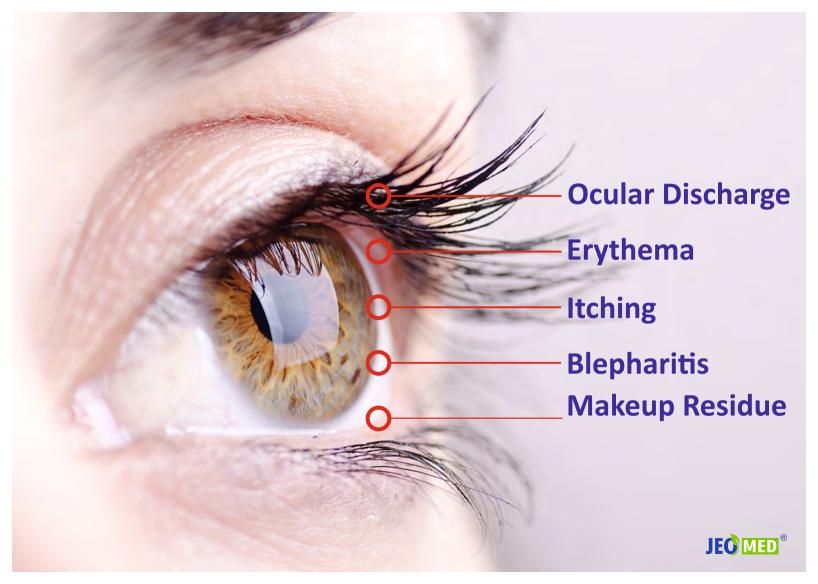
Blefaritto Eye Contour Shampoo with Barrier Effect provides potent hygiene on ocular surface without extra foaming, maintains the barrier function. It is prescribed by ophthalmologists/dermatologists for:

- a) Chronic conditions: Chronic Blepharitis and other chronic eye conditions
- b) All eye infections and irritations
- bacterial infections and Demodex infestations,
 - allergy
 - contact lense discomfort
 - dry eye
 - computer vision syndrome & eye strain
 - eye irritants
 - conjunctivitis
- meibomian gland dysfunction
- dry eye-burning-fatigue etc caused by Demodex mites, P. acnes and staphylococcus

It is important to make sure that components of cleansing product does not react with ingredients of topical or/and systemic treatment product: Blefaritto Eyelid and Eyelashes Shampoo is compatible with combined therapy.







JEOMED follows the worldwide innovations, clinical trials and developments in Ophthalmology



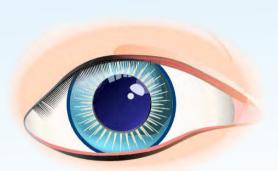


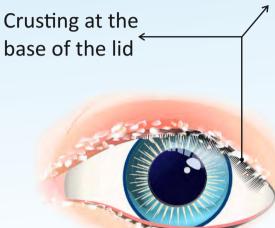
JEO MED "developed World's largest patented ophthalmic product line



BLEPHARITIS







Healthy Eye

Inflamed Eye

Role of demodex mite has been clinically proven in the aetiology of blepharitis. Demodex density has been seen in 81,25 % of patients with Chronic Blepharitis.



BlefariTT® Eye Contour Gel



DAY





NIGHT

FULL PROTECTION





Management and treatment of chronic blepharitis and ocular demodicosis

Nonsteroidal anti-inflamatory, antibacterial, antiparasitic, antiviral and antifungal treatment



Blefaritto Eye Contour Gel with Barrier Effect is an antibacterial, antifungal and antiviral product based on organic (certified) Tea

Tree Oil and Geothermal water, developed for antibacterial, antiparasitic, antiviral antifungal treatment in case of chronic blepharitis, MRSA, MGD, ocular demodicosis, dry eye-burning-fatigue etc caused by Demodex mite, P.acnes and staphylococcus, eyelid eczema etc.





BlefariTT®

FYELID & EYELASHES

Management and treatment of chronic blepharitis and ocular demodicosis

Blefaritto Eye Contour Gel with Barrier Effect creates mechanical barrier and eliminates Demodex mites, which are known to be effective in the aetiology of Blepharitis. It reduces the intensity of Demodex mites (overnight use) and supports the treatment of Blepharitis by creating a barrier in cases of itching, redness and eye discharge.

It is important to make sure that components of topical treatment product does not react with ingredients of systemic treatment agents: **Blefaritto Eye**Contour Gel with Barrier Effect is compatible with combined therapy.







Blefaritto Eye Contour Spray with Barrier Effect





Geothermal water and chamomile oil soothe and relieve eyelids and eye contour area. Sea Buckthorn's anti-inflammatory property reduces burning and fatigue in dry eyes. Tea Tree oil, fortified with hyaluronic acid, softens and moisturises eyelid skin. Tea Tree oil's strong antimicrobial property relieves eyelid irritation.

Highly recommended to manage:

- Contact lense discomfort
- Dry eye syndrome
- Computer vision syndrome & eye strain
- Tired eyes







Blefaritto Eye Contour Swab

Blefaritto Swab is a primary ocular hygiene product that provides potent mechanical cleansing of eyelid, eye lash and eye contour.

A unique formulation of **Blefaritto Swab** helps manage the symptoms associated with Demodex, Blepharitis, Chalazion, Meibomian Gland Dysfunction (MGD), Dry Eye, Rosacea.





Blefaritto Eye Contour Swab

Sulfur in geothermal water and Terpinen 4 ol in Tea tree oil provide potent antiparasitic effect. Geothermal water soothe and relieve eye contour area. Hyaluronic Acid and Camomile moisturises and soothe the eyelids. Panthenol and E vitamin nourish eye surrounding skin.

Suitable for eye pH (7,2).

Indications:

- Demodex infestation
- Before & after cataract surgery
- Chronic conditions
- All eye infections and irritations

Sterile wipes packed in 24 individually sealed sachets.









Treatment of blepharitis with BlefariTTO Eye Shampoo **Before After**







DEWS II: Redefining Dry Eye

A DEFINITIVE DECADE FOR DRY EYE

By J. Daniel Nelson, MD, TFOS DEWS II Chair

aving chaired the Tear Film and Ocular Surface Society (TFOS)
Dry Eye Workshop (DFWS) II steering committee over the last 2.5 years, I witnessed firsthand the magnitude of the trask we chose to undertake to modernize the eye care community's concepts and clinical practices surrounding this widespread yet poorly understood condition. The Workshop, comprised of L50 experts spanning 23 countries, reviewed thousands of published countries, reviewed thousands of published.

the presence of symptoms also with and without signs. Asymptomatic individuals without signs solviously do not have dry eye, while asymptomatic patients with signs may be at risk of developing symptoms following ocular procedures (e.g., refractive surgery) or other therapeutic interventions (e.g., systemic medications). Individuals with symptoms and signs are further separated into those with dry eye and those with other ocular surface diseases (e.g., allergy, ocular cicari-

An explosion of research followed the 2007 TFOS DEWS report. Ten years later, DEWS II puts it into perspective.

REVIEW OF OPTOMETRY AUGUST 15, 2017

TFOS DEWS II argues that management of dry eye should be aimed at restoring rear film homeostasis. Although the Management and Therapy report presents staged management and treatment recommendations, the heterogeneity of DED requires that clinicians manage and treat patients based on individual profiles, characteristics and responses.

The latrogenic report emphasizes that the clinician, as well as the

J.P. Craig et al. / The Ocular Surface xxx (2017) 1



-11

Table 4

Recommendations for the staged management and treatment of DED. a,b,c

Step 2:

If above options are inadequate consider:

- Non-preserved ocular lubricants to minimize preservative-induced toxicity
- Tea tree oil treatment for Demodex (if present)
- Tear conservation
 - Punctal occlusion
 - Moisture chamber spectacles/goggles
- Overnight treatments (such as ointment or moisture chamber devices)
- In-office, physical heating and expression of the meibomian glands (including device-assisted therapies, such as LipiFlow)
- In-office intense pulsed light therapy for MGD









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CLINICAL RESEARCH

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Turkish physicians entered

world medical literature

of Medicine.

cine. Bursa.

A Clinical Scoring System for Diagnosis of Ocular Demodicosis

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Bursa, Turk

2 Departme

Turkey

Authors' Contribution:
Study Design A
Data Collection B

Statistical Analysis C
Data Interpretation D
Manuscript Preparation E
Literature Search F

Funds Collection G

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A part of this study was presented as a Poster at the ARVO 2017 Meeting in Baltims Berna Akova-Budak, e-mail: bernaakova@hotmail.com

Departmental sources

Corresponding Author: Source of support:



Treatments of ocular demodicosis

In the patients diagnosed with *Demodex* infestation, treatment was started with 4% TTO eyelid gel (Blefatitto Gel, Jeomed, Turkey) and 10% TTO eyelash shampoo (Blefaritto Shampoo, Jeomed, Turkey), as these were the commercially available



EXTENDED REPORT In vitro and in vivo killing of ocular Demodex by tea tree

Y-Y Gao, M A Di Pascuale, W Li, A Baradaran-Rafii, A Elizondo, C-L Kuo, V K Raju, S C G Tsı

effect of tea tree oil (TTO) on ocular Demode Methods: Survival time of Demodex was my

Demodex was performed by a modified met

Results: Demodex folliculorum survived for m 50% baby shampoo, and 4% pilocarpine. He

15 minutes in 100% alcohol, 100% TTO, 10

effect was dose dependent. Lid scrub with 50

Demodex to move out to the skin. The De

receiving daily lid scrub with baby shampo

zero in seven of nine patients receiving T Conclusions: Demodex is resistant to a wi .Original Article

Blepharitis: Always Remember Demodex

Vipul Bhandari, Jagadeush K. Reddy

Br J Opt - Local 2005;89:1468-1473. doi: 10.1136/bjo.2005.072

ORIGINAL ARTICLE Aims: To compare the in vitro killing effect of d

Ophthalmology

http://dk.ctrd.org/10.1346/fsrte.2012.27.12.1574 • J Konnin Med Sci 2012.27-1574-1579

of Demodex species on the eyelashes of stand dysfunction (MGD).

Ocular Surface Discomfort and *Demodex*: Effect of Tea Tree Oil Eyelid Scrub in *Demodex* Blepharitis

Hyun Koo, Tae Hyung Kim, Kyoung Woo Kim, Sung Wook Wee, Yeoun Sook Chun, and Jae Chan Kim

Department of Ophthalmology, Chin-College of Medini-

The purpose of this study was to evaluate the ocular Demodex infestation blepharitie ---

DOI: 10.1167/tvst.2.7.2

n 84% of patients with ocular rrelated with age (P = 0.04) and nodex count was reduced from

om 4.3 ± 2.7 to 4.2 ± 2.5 in

n between ocular discomfort and

of tea tree oil (TTO) in Demodex

lents with ocular discomfort were

ve symptoms with ocular surface infested patients were randomized

)6 patients) or without TIO (Control

from 34.5 ± 10.7 to



See end of article for authors' affiliations

Correspondence to: Scheffer C G Tseng, MD, PhD. Ocular Surface Center, 7000 SW 97 Avenue, Suite 213, Miami, FL 33173, USA; stseng@ ocularsurface.com

Accepted for publication 6 June 2005

et al' reduced the Den

scrub with baby s

metronidazole gel. In

topical 1% mercury

count from 10 mites 3 weeks. Subsequently

to decrease the Demoa

lash in 2 weeks.4 Judi tioned treatments do r

cycle-that is, 14-18 d killing Demodex in vivo

We thus surveyed

discovered that tea tre

TTO, a natural essentia Melaleuca alternifolia. In

traditional medicine in

infection. It has a

inflammatory,14 11 and 8

ing TTO has been used TTO gel is well tolerate

plaques and chronic gi

saldy lid scrub w

and daily lid scrub with tea tree shampo A15 (0) ***************** he organism Demodex folliculorum is found in the eyelash follicle and Demodex brevis burrows deep in sebaceous and meibomian glands. Although their pathogenic role remains unsettled, efforts have been made to oradicate ocular Demodex in pat

tyst

Terpinen-4-ol is the Most Active Ingredient of Tea Tree Oil to Kill Demodex Mites

Sean Tighe¹, Ying-Ying Gao^{1,2}, and Scheffer C. G. Tseng¹

11ssue Lecti, inc., and Ocular Surface Center, Midtili, FL 2 Department of Ophthalmology, the Second Affiliated Hospital, Fujian Medical University, Quanzhou, Fujian, China

Correspondence: Scheffer C. G. Tseng, MD, PhD, Ocular Surface Center, 7000 SW 97th Avenue, Suite 213, Miami, FL 33173, USA. e-mail: stseng@ocularsurface.com

. _ d. 74 July 2013

Purpose: To determine the active ingredient in tea tree oil (TTO) responsible for its reported killing effect on *Demodex* mites, the most common ectoparasite found in the

Methods: Using a reported in vitro killing assay to measure the survival time of adult human skin extending to the eye. Demodex folliculorum up to 150 minutes, we have screened serial concentrations of 13 of the 15 known ingredients of TTO (ISO4730:2004) that were soluble in mineral oil of the 13 known ingredients of 170 (130-1730,200-1) that were soluble in filling and examined their synergistic relationships in killing mites. The most potent

Eyelid Scrub in Demodex Blepharitis ocular Demodex infestation, and therapeutic effects of tea tree oil [110] in Demodex blepharits patients. Three hundred and thirty-five patients with ocular discomfort we

Hyun Koo, Tae Hyung Kim, Kyoung Woo Kim, Sung Wook Wee, Yeoun Sook Chun, and Jae Chan Kim

Department of Ophthalmol College of Medicine, Seou Received: 2 July 2012 Accepted: 13 September

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NIH-PA A

See discussions, stats, and author profiles for this publication at: https://www.reguarchyote.com/publication//clis.pg.120 Treatment of Ocular Itching Associated With Ocular Demodicosis by 5% Tea Tree Oil

evaluated for ocular Demodex infestation and subjective symptoms with ocular surface. ocular Demodex in Three hundred and miny the public symptoms with ocular patients. Three hundred and miny the public symptoms with ocular patients. Three hundred and subjective symptoms with ocular patients are rand Article of Cornea - September 2011 evaluated for ocular Demodex infestation and subjective symptoms with out to be considered and miny the public symptoms with the public symptoms of patients of the public symptoms with Tio (TiO group, 106 patients) or without TiO (100 Three number of the production and subject of the patients without TIO operations of the production of where were found in 84% of patients with or

NIH Public Access

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Pathogenic role of Demodex mites in blepharitis

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bEye Hospital, Wenzhou Medical College, Wenzhou, Zhejiang, China

Abstract

Purpose of review-To summarize the key literature and our research experience regarding Demodex infestation as a potential cause of ocular inflammatory diseases with a special emphasis on Demodex blepharitis.

Recent findings—Two distinct Demodex species have been confirmed as a cause of blepharitis: Demodex folliculorum can cause anterior blepharitis associated with disorders of eyelashes, and D. brevis can cause posterior blepharitis with meibomian gland dysfunction and keratoconjunctivitis. Tea tree oil treatments with either 50% lid scrubs or 5% lid massages are effective in eradicating mites and reducing ocular surface inflammation



JEO MED at national and international congresses



Our Certificates



Jeomed products are produced under GMP, CE, ISO-9001:2008 and ISO 13485:2003 requirements.

































