



THE
BODY
DOCTOR. +

STERILEYES®

Patented antibacterial
protection for your eyes



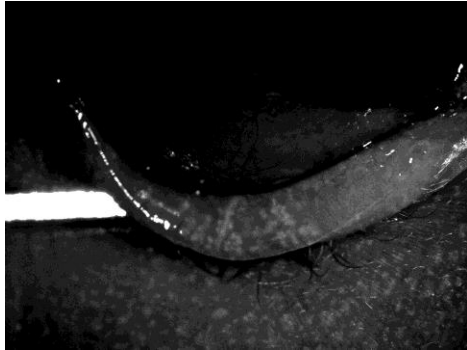
MGD – and heat application – simples

(or perhaps not so simples!)

- Dry Eye Disease is the most common disease in the world, and we know that Meibomian Gland Disease (MGD) is the leading cause of dry eyes (1).
- We are born with a set number of meibomian glands – if we don't take care of them we will lose them.

So let's start with the first, most vital foundation stone of treatment

- The first step to manage a range of eye conditions should be through heating the eyelids.
- Originally eye compresses to treat symptoms were grain filled bags heated and applied to the eyelids then removed and put into storage overnight.
- The next day they were re-heated in the microwave and reapplied to the eyelids.



So far so good Or is it?

1. Michael A. MD*; Crews, Leslie A. PhD†; Bron, Anthony J. FRCOphth. Cornea May 2012 (86% of all DED is wholly/partially evaporative

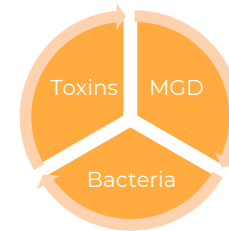
Could bacteria be a problem on our eyes?

- It is an misconception that microwaving the compress kills the bacteria on the device.
- The bacteria, both ***existing(!)**** and also transferred onto the compress after use, on the compress multiplies and is reapplied to the patients eyes for the next treatment. Dr Colin Parsloe, a specialist in ocular surface disease stated ***“cross-contamination and increasing the number of bacteria are significant risks to the patient”***.
- Increasing levels of bacteria on the compress could create the opportunity for secondary/cross-infection and even prolong the treatment regime and symptoms, hinder patient compliance and negate any improvement.

*Results from analysis on three different unused heat applicators from MCS Laboratories

Clinical Trials

- *When looking at the difference in bacteria on the eyes between patients with and without MGD, it was found that those suffering with MGD have a higher bacterial load. The bacteria produce specific toxins that can contribute to dry eye disease. (1)*



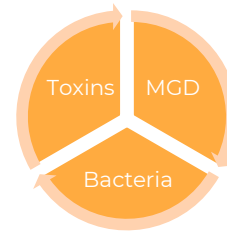
A vicious cycle!

- If we separate the severity of those suffering with MGD in to 'mild, moderate and severe', it has been shown that those with the most severe disease had the highest level of infection of **Staphylococcus bacteria**.

1. Zhang SD, He JN, Niu TT, et al. Bacteriological profile of ocular surface flora in meibomian gland dysfunction. Ocul Surf. 2017;15(2):242–247. doi:10.1016/j.jtos.2016.12.003

Clinical Trials

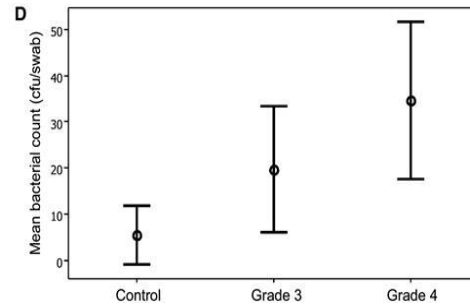
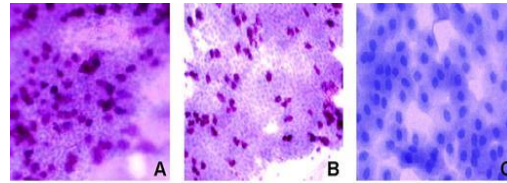
➤ It's clear that the higher the bacterial load in the eye, the more likely their dry eyes will be more severe.



It's that vicious cycle again!

➤ Ironically contamination of hot compresses used to treat MGD may be **exacerbating this condition**.

➤ Dr Colin Parsloe states ***“the eye compress with the lowest number of bacteria is the best product to use”***.



Is there an answer – yes a partial one and a better one!

- There is scientific research to support the idea that using compresses with less bacteria is safer than using those with more bacteria; the severity of MGD is positively correlated with a higher grade of bacterial severity, which implies MGD might be correlated with bacterial changes (1)
- Some manufacturers have advised patients to first subject their hot compresses to extreme heat, then let it cool completely and microwave it again in order to use it. When this convoluted procedure, and real world use, was assessed, it was concluded that microwaving resulted in marginal antibacterial activity with very significant levels of the test organism remaining.

1. Graham JE, Moore JE, Jiru X, et al. Ocular pathogen or commensal: a PCR-based study of surface bacterial flora in normal and dry eyes. Invest Ophthalmol Vis Sci. 2007;48(12):5616–5623. doi:10.1167/iovs.07-0588

Is there an answer – without a doubt?


- The Antibiotic Resistance Monitoring in Ocular Microorganisms (ARMOR) surveillance study has identified high levels of in vitro antibiotic resistance among ocular staphylococcal and pneumococcal pathogens, resistance that may affect treatment (of eye infection) success (1).
- Do we in Primary Eye Care have even more of a responsibility to prevent eye infections from occurring in the first place?
- Sterileyes® is a **revolutionary** patented solution and incorporates an antibacterial element into The Eye Doctor's hot compresses.
- When scientific studies were performed to evidence the efficacy of this solution, Sterileyes actively reduces the bacterial load by 99.9%.

1. Penny Asbell, MD, FACS, MBA, director of the Hamilton Eye Institute at the University of Tennessee Health Science Center. Women in Ophthalmology 2021 Summer Symposium



What is **Sterileyes®**?

- Sterileyes® is an antibacterial shield on all Eye Doctor compresses, clinically proven to reduce bacteria by 99.99% . The revolutionary patented solution is bound to the fibres of our fabric to protect the eyes from potentially harmful bacteria.
- Sterileyes® also provides stain protection, extended product life and eliminated germs that synthesize fats and lipids which create odour.
- Eye Doctor compresses are uniquely designed to reduce bacterial contamination thereby reducing infection risk, increasing dry eye therapy effectiveness and patient confidence in you – knowing this you would choose it for your family, choose it for your patients.



Stays Fresh:
Inhibits the growth of odour-causing bacteria



Assurance:
Long lasting protective shield



Skin Friendly:
Offers protection without causing irritation