



Advanced Triple Action Eye Drops

By

The Eye Doctor

Unique multi-ingredient innovation proven to treat all 3 etiological factors of dry eye.

What makes these drops different?

Patented DEMET® microemulsion technology

Strengthens tear film to a durable protective layer

Treats and prevents Dry Eye symptoms and signs

Offers long-acting moisturising effect

Contact lens compatible

Does not blur vision

Preservative-free

Unique multi-ingredient innovation targets each etiological factor of dry eye

Sacha Inchi seed oil + Trehalose + High-molecular-weight hyaluronic acid + Glycerol

Developing a solution to dry eye problem

Clinical trial protocol of The Eye Doctor Advanced Triple Action Eye Drops

Proper patient population:

- Patients with moderate to severe dry eye
- Verified by several disease parameters

Objective parameters measured by investigator:

- Tear film break up time
- Tear osmolarity
- Blink rate to Ocular protective index
- Corneal and conjunctival redness
- Corneal and conjunctival staining

Subjective parameters reported by patient:

- Symptoms & effect on everyday life (OSDI)

Causative factor



Tear film instability



Tear film hyperosmolarity

Vicious circle of dry eye



Ocular surface inflammation and damage



Neurogenic inflammation



Ocular symptoms

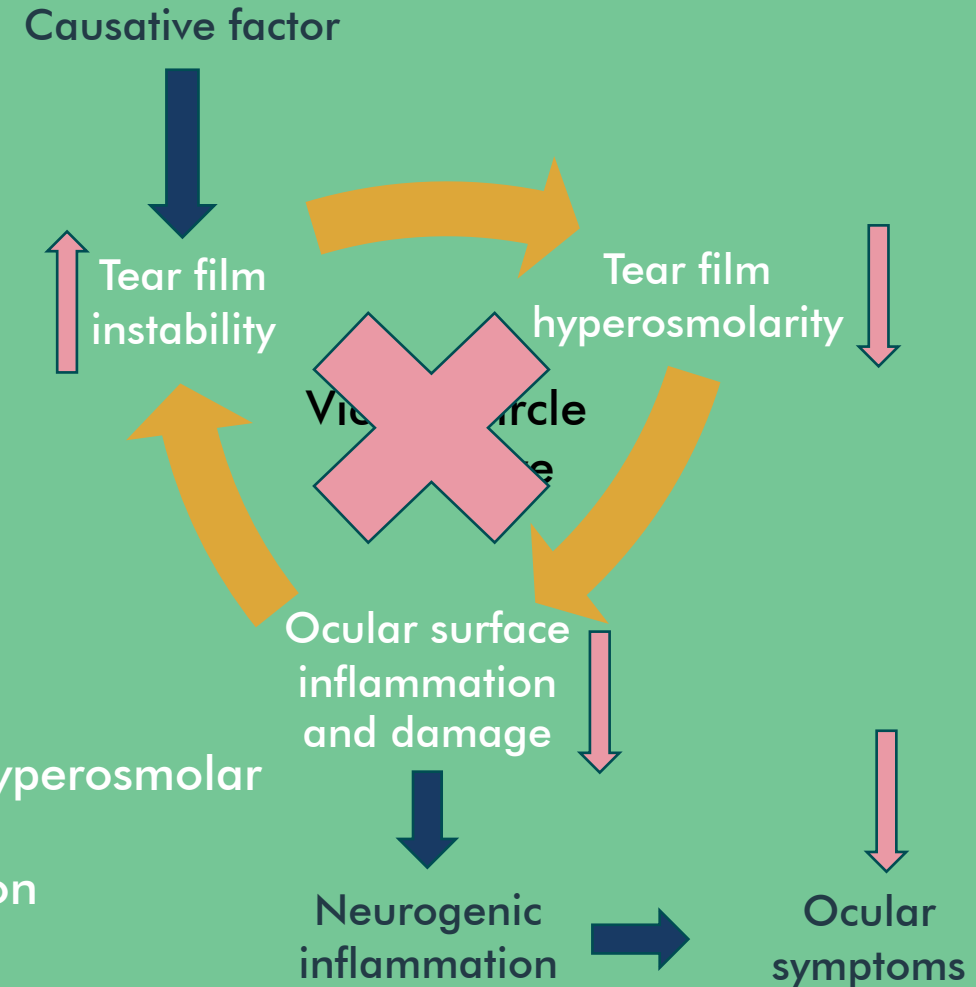
What does Advanced Triple Action do in dry eye?

The Eye Doctor Advanced Triple Action Eye Drops offers significant, and clinically meaningful improvements in each etiologic factor and breaks the vicious cycle of dry eye

- Increases tear film stability
- Reduces tear (hyper)osmolarity to a healthy level
- Reduces ocular surface inflammation and damage
- Reduces symptoms

Postulated mode of action:

1. Improved tear film stability and reduced tear osmolarity prevent hyperosmolar stress and provide biophysical protection to ocular surface
2. Ocular surface epithelial recovery reduces neurogenic inflammation
3. Epithelial recovery reduces neurogenic inflammation
4. Ocular symptoms are relieved



Reference: Laihia J, Järvinen R, Wylegala E, Kaarniranta K. Disease aetiology-based design of multifunctional microemulsion eye drops of moderate or severe dry eye: a randomized quadruple-masked and active-controlled clinical trial. *Acta Ophthalmologica* 2020; 98:244-254. doi:10.1111/aos.14252

Benefits of Dry Eye Micro-Emulsion Technology

DEMET™

- Developed and patented by Finnsusp
- DEMET™ microemulsion eye drop can stop each factor of the vicious circle and prevent symptoms of dry eye when used according to IFU for 10 to 30 days



- Surface tension of DEMET™ microemulsion matches exactly the natural surface tension of healthy tear fluid:
 - ✓ Corrects the adversely elevated tear fluid surface tension in dry eyes
 - ✓ Makes the tear film spread rapidly and evenly onto the ocular surface with improved tear film stability
- Formulation is optically clear, colourless and homogenous. Thanks to optimal viscosity, it does not blur vision and shaking of the dispenser is not required
- K⁺ concentration is that of healthy tear fluid: Potassium prevents apoptosis (programmed cell death) of ocular surface cells in healthy tear fluid concentration
- Volume of one drop instilled from the dispenser is about 30µl – the optimal and maximum volume a human eye can hold on its surface

Sacha Inchi Seed Oil has Superpowers

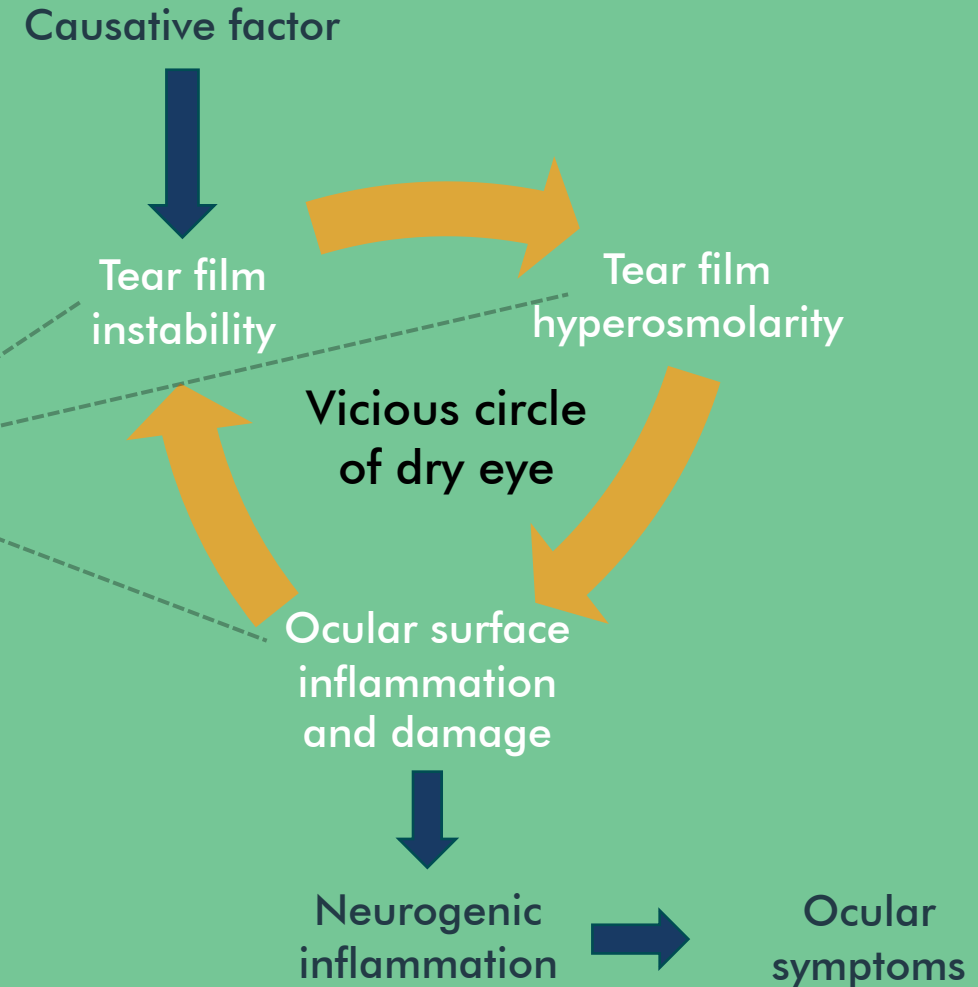
- Sacha Inchi (*Plukenetia volubilis*) is a perennial oil plant whose seeds are rich in protein, essential fatty acids Omega3, Omega6 and Omega9, gamma-tocopherol (vitamin E), carotenoids (vitamin A) and fiber.
- Fatty acid composition of Sacha Inchi Seed oil is exceptional: share of unsaturated fatty acids is very high (ca. 90%), with about 50% of Omega3 (α-linolenic acid)
- Omega6 / Omega3 fatty acid ratio is that of healthy tear fluid: Low Omega6 / Omega3



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Trehalose and Hyaluronic acid in Dry Eye Management

- Trehalose (TH) is a natural molecule that shows exceptional bioprotective and therapeutic properties
- TH in The Eye Doctor Advanced Triple Action Eye Drops is enzymatically derived from the degradation of starch and starch sources from plants, mainly cassava and tapioca
- TH can directly act against each factor of the vicious circle
- Combined with Hyaluronic acid (HA), the ocular residence time of TH can be extended
- High-molecular weight HA in The Eye Doctor Advanced Triple Action Eye Drops has a significantly long residence time further supporting residence time of TH
- HA and TH protect the ocular surface from drying out and cell damage. After treatment, damaged ocular cells start recovering and maintain healthy homeostasis



The Eye Doctor Advanced Triple Action Drops treats and prevents symptoms and signs of Dry Eye

User benefits:

Moisturises severe dry eyes

Offers long-acting efficacy

Repairs the ocular surface

Decreases conjunctival redness

Strengthens the tear film

Long-lasting – 300 drops

Does not blur vision

Contact lens compatible

Preservative-free

No need to remove lenses before use

Prevents cell-damage

Treats even severe symptoms

The Eye Doctor Advanced Triple Action Drops treats and prevents symptoms and signs of Dry Eye

Recommended use:

For moderate and severe Dry Eye symptoms

For contact lens users

For sensitive eyes

Does not contain preservatives or generally irritating ingredients

Can be used 3-4 times a day

The Eye Doctor Advanced Triple Action Drops treats and prevents symptoms and signs of Dry Eye

What do patients say?

"I've used so many brands over the years but this is by far the best for my very dry eyes"

"Suits even my very sensitive eyes"

"I am so grateful I had the opportunity to try this amazing product. Life changing for me, pure, comforting, long-lasting relief in a drop"

"Long discard time suits my needs"

"This product is everything I need"

The Eye Doctor Triple Action Eye Drops in a nutshell

Application	1 drop, 3-4 times a day as needed
Storage temperature	5-30 °C
Shelf-life from manufacturing	2 years
Discard date from opening	6 months
No. Of drops/10ml	300
Volume of a drop	Ideal - 30µl
Compatible with contact lenses	Yes
Preservatives	No
Animal testing or ingredients of animal origin	No
Phosphates, borates, minerals	No

Clinically proven efficacy and safety

Composition:

0.1% Sacha Inchi Seed Oil

2% Trehalose

0.2% HMW Hyaluronic acid

Glycerol and emulsifiers

polyoxyethylene, Sorbitan

monooleate and Sorbitan

monooleate in sterile and hypotonic

trometamol/citrate buffer emulsion

Thank you