The PLUS of the new nano-technological solution

COMPONENTS KINETIC

- Liposomes remain on the ocular surface making them more available and sterile formulations.
- Nano-technology transports Vitamins A and E in water with stable and long-lasting action.

COMPONENTS DYNAMIC

- Liposomes integrate with the aqueous component reducing evaporation of the aqueous layer and stabilize the lipid layer.
- The lipid component of the lachrymal dysfunction alters the release of pro-inflammatory cytokines and COX-2.
- Amino acids and the Vitamins A and E intervene in the phlogistic phenomenon and intercelular matrix distribution.
- The new nano-technological solution based on ocular surface level by maintaining tissue homeostasis at the epithelial cells release of active ingredients inside and stabilize the lipid layer, helping reintegrate the lipid layer and the aqueous component.

Indicated in cases of:
- Dry eye syndrome
- Blepharitis
- Conjunctivitis
- Ocular allergies

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Liposucms also possess anti-inflammatory effects and are shown to inhibit leukocytes, pro-inflammatory cytokine release and transcription factor expression.
Liposomes increase time Amino acids and the Vitamins A and E remain on the ocular surface making them more available.

Nano-technology transports Vitamins and Amino acids in water with stable and sterile formulations.

With their double action liposomes help reintegrate the lipid layer and the release of active ingredients inside epithelial cells.

OCT image after nebulization with LACRISEK® Plus spray

Before

After nebulization with LACRISEK® Plus Spray

*Dott.ssa Caterina Gagliano. Dry eye: Vantaggi delle soluzioni nanotecnologiche. Congresso Superficie Oculare Dott.ssa Cantera, Roma 10/04/2015*
COMPONENTS DYNAMIC
For a multifactorial action on lachrymal dysfunction syndrome

Lachrymal film alteration

LIPOSOMES
The lipid component of liposomes integrating with tears is able to reconstruct and stabilize the lipid layer, reducing evaporation of the aqueous component (3,4,5)

PHLOGOSIS
Intervene on the phlogosis process by an indirect action thanks to their anti-oxidant action, and aimed at the release of pro-inflammatory cytokines and COX-2 (6,7)

AMINO ACIDS
Proline, Glycine, Lysine and Leucine are essential for the construction of collagen and proteins of the anterior segment of the eye (8,9)

VITAMINS A AND E
Intervene in the phlogistic phenomenon

EPI THELIAL DAMAGE

LACHRYMAL SPRAY
DYNAMIC
FOR A MULTIFACTORIAL ACTION ON LACHRYMAL DYSFUNCTION SYNDROME
LACRISEK® PLUS Spray

The new nano-technological solution based on Liposomes
Favour the restoration of the lipid layer of lacrymal film

Vitamins A and E
Intervene in the phlogistic phenomenon

Amino Acids
Favour the re-epitilization by maintaining tissue homeostasis at the ocular surface level

Indicated in cases of
• Dry eye syndrome
• Ocular allergies
• Conjunctivitis
• Blepharitis

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