SERVImed

iROMED Group

ribohyal

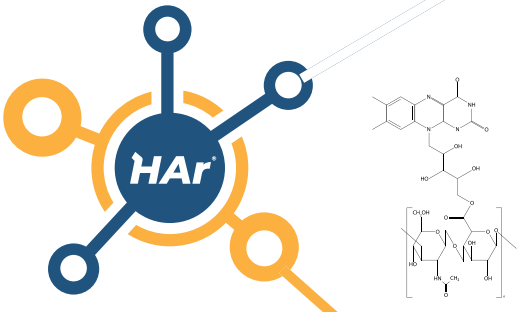
HYPOSMOLAR GEL
FOR DRY EYE SYNDROME

OYO CARE

HYPOSMOLAR GEL
FOR DRY EYE SYNDROME

Hyposmolar gel for dry eye syndrome based on ***Ribohyal®*** ***(HAr)***, the new chemical entity developed by SERVImed & Iromed. It is indicated for Dry Eye (mild to severe), patients with symptoms like photophobia, and need for long lasting lubrication due to its ability to stay on the ocular surface. The ***Ribohyal®*** NCE, compared to standard HA, has a higher resistance to the hyaluronase enzymatic degradation. Preservative and emulsifier free.

ADVANTAGES OF THE NEW CHEMICAL ENTITY ribohyal®



The NCE ***Ribohyal®*** ***(HAr)*** is synthesized by covalently binding riboflavin to hyaluronic acid's COOH and OH groups. Having less OH groups in the NCE makes it resistant to a fast hyaluronidase enzymatic degradation. This providing several advantages over standard and cross-linked hyaluronic acids:

- Has similar mechanical properties to unmodified HA
- Better supports enzymatic degradation, due to the reduction of the COOH and OH groups
- Is more stable than cross-linked hyaluronic acids
- Has a longer permanence time on the ocular surface

IN PRESS PUBLICATION

- 15 patients: 10 followed for Dry Eye, 5 for post-surgical corneal lesions
- Measurements : OSDI and BUT + Schirmer test
- Ribohyal showed greater lubricating and regenerative abilities, in less time, than the application of HA-based eye drops alone at the same concentration (control)
- Index improvement measured with the TearCheck® device

1) C. Caruso, R. Piscopo, M. Rinaldi, I. Senese, L. D'Andrea, C. Costagliola. "A New Chemical Entity as lubricant eye drops in the treatment on Dry Eye: a prospective, comparative double blind randomized study". In Press.

LUBRICATES AND PROTECTS

Lubricates the cornea and conjunctiva with a nourishing, protective and antioxidant action against external environmental insults.

REBALANCES TEAR OSMOLARITY

Its hypotonicity allows to restore the balance of the hyperosmolar tear present in dry eye syndrome.

RENEWS THE LIPID PHASE OF THE TEAR FILM

At each instillation, it creates a protective "jacket" that replenishes and renews the lipid phase of the tear film, preventing premature evaporation and destabilization of the tear as occurs in the dysfunction of the Meibomian gland. Vitamin E TPGS creates amphiphilic micellar structures, allowing Ribohyal to promote the natural restoration of the altered lipid layer. In addition, it promotes the anchoring of hyaluronic acid to the ocular surface receptors, contributing to the natural restoration of the mucous layer of the tear film.

NEW CHEMICAL ENTITY

Patented formulation with ***Ribohyal***® & Vitamin E TPGS
Colored and transparent
Protective effect
Higher stability thanks to the NCE ***Ribohyal***®
Longer permanence on the eye (3-4 hours)

HYPOSMOLAR

Restores the hyperosmolar tear balance in dry eye syndrome
Improved distribution and persistence on the ocular surface
Improved indexes of the altered tear film in Dry Eye
Photophobia reduction (1)

EASY AND COMFORTABLE APPLICATION

Applied like regular eye drops
Fast distribution on the ocular surface
Creates a protective layer that stabilizes the tear film
Counteracts the premature evaporation of the tear
The solution is well tolerated, maintains the same refractive index as the tear and does not alter vision

10 ml OSD bottle preservative free

Can be used with contact lenses

CE Class IIB Medical Device

PATENTS: Italy, Europe.

SERVImed Industrial S.p.A.
Via Tempio del Cielo 3/5, 00144 Rome (Italy)
Tel: +39 06 92595490 Fax: +39 06 89360010
Email: info@servimedindustrial.com
www.servimed-industrial.com

Iromed Group S.r.l.
Via Tempio del Cielo 3/5, 00144 Rome (Italy)
Email: info@iromedgroup.com
www.iromedgroup.com