EyeYon Medical Ltd. is a pioneer in ophthalmologic medical devices, focusing on developing cornea-focused sight-saving solutions for more than a decade. Our innovative technologies are targeted to preserve the vision of millions of patients worldwide.
The use of drops to administer drugs is age old and carries with it many disadvantages. Only ~5% of the eye drop substance reaches the target organ. This low bioavailability often dictates frequent administration and a prolonged healing process.

Hyper-CL™ technology meets this urgent need as it is the only drug reservoir contact lens.

**Mechanism of Action**

Hyper-CL™ Soft Contact Lens is designed to increase contact time of eye drops on the corneal surface. The lens special design enables capturing and maintaining any drop applied on the contact-lens surface. Its advanced design was found to be clinically beneficial in the treatment of multiple indications, making it a single technology that can treat various conditions. It is an approved treatment for corneal edema, corneal erosion, entropion, bullous keratopathy, bacterial keratitis, etc. The lens can also support treatment in post-surgical interventions and provides structural support in corneal dystrophies.

**Indication For Use (EU)**

Hyper-CL™ is the only indicated solution for relief of corneal edema symptoms. The Hyper-CL™ showed superiority over regular bandage contact lenses in terms of reducing cornea thickness. Additionally, it was clinically shown that up to 50% of patients will benefit from a significant visual acuity improvement, leading to a substantial increase in quality of life.

Hyper-CL™ Soft Contact Lens is designed to increase contact time of eye drops on the corneal surface. Its design includes dual base curves, fenestrations, and a reservoir. This design forms a cavity between the lens and the cornea, in which the instilled eye drops are trapped, extending contact time with the cornea.

The fenestrations improve drug accessibility to the epi-corneal space, as well as tear mixing while preserving oxygen permeability to the cornea.

Using our reservoir contact lens shortens administration regimen, reduces medical staff burden, improves patient tolerance, and thus probably decreases drug associated toxicities, overcoming the loading dose regimen.

**Bacterial Keratitis**

Hyper-CL™ effectively extends corneal antimicrobial availability and drug contact time. It was shown to also accelerate corneal healing in bacterial keratitis. Results indicated:

- Better & Faster healing of the cornea
- Significant improvement in pain
- Earlier Vision recovery
- Reduced treatment burden
- No serious adverse events occurred while using the Hyper-CL™

Using our reservoir contact lens shortens administration regimen, reduces medical staff burden, improves patient tolerance, and thus probably decreases drug associated toxicities, overcoming the loading dose regimen.