

Moxigen-D

Moxifloxacin 0.5% & Dexamethasone Phosphate 0.1%
Sterile Eye Drops

Presentation

Moxigen-D: Each ml contains Moxifloxacin 5 mg (as Moxifloxacin Hydrochloride BP) & Dexamethasone Phosphate 1 mg (as Dexamethasone Sodium Phosphate USP).

Preservative: Sodium Perborate 0.01%.

Pharmacological Action

The antibacterial action of Moxifloxacin results from inhibition of DNA gyrase and topoisomerase IV. DNA gyrase is an essential enzyme that is involved in the replication, transcription and repair of bacterial DNA. Topoisomerase IV is an enzyme known to play a key role in the partitioning of the chromosomal DNA during bacterial cell division. Through inhibiting this process Moxifloxacin shows bactericidal activity.

The action of Dexamethasone is to inhibit the phospholipase A₂, the first step in prostaglandin synthesis. Also, inhibits the chemotactic infiltration of neutrophils into the site of inflammation. Its anti-inflammatory activity is 30 times greater and its overall therapeutic effectiveness 8-10 times greater than that of hydrocortisone. Like other glucocorticoids, it is anti-allergic, anti-exudative and anti-proliferative.

Indications

Moxigen-D Eye Drops is indicated in the treatment of eye infections caused by susceptible microorganisms and in the prevention of inflammation and bacterial infection that may occur after eye surgery.

Dosage and Application

In the prevention of infection and post-surgical ocular inflammation: Instill 1 drop, 4 times a day, in the eye to be operated, from 1 day before surgery until 15 days after surgery.

In patients undergoing cataract surgery: The day of surgery instill the medication immediately after eye surgery.

In patients undergoing LASIK refractive surgery: On the day of surgery instill the medication at least 15 minutes after ocular surgery.

In eye infections caused by susceptible microorganisms: Instill 1 drop, 4 times a day, for up to 7 days.

Contraindications

Contraindicated in fungal disease of ocular structures, viral conjunctivitis and hypersensitivity to any of the components of the formulation.

Side Effects

Moxifloxacin: Conjunctivitis decreased visual acuity, dry eye, keratitis, Ocular discomfort, hyperemia, pain, Subconjunctival hemorrhage and tearing.

Dexamethasone: Visual acuity & field defects, cataract formation, secondary ocular infection following suppression of host response & perforation of the globe.

Precautions

If the product is used for 10 days or more, intra ocular pressure should be monitored routinely. Prolonged use of steroid may result in glaucoma or other ocular damage. It may exacerbate severity of viral infections. Use cautiously in patients with history of herpes simplex.

Use in Pregnancy and Lactation

Use in pregnancy: There are no adequate and well-controlled studies in pregnant women. Moxifloxacin & Dexamethasone combination eye drops should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus.

Use in elderly: No change in dosage is required when the product is administered in elderly patients.

Use in Children: The efficacy and safety of Moxifloxacin & Dexamethasone combination eye drops in pediatric patients have not been established.

Use in lactation: Caution is advised when Moxifloxacin & Dexamethasone combination eye drops is given to nursing women.

Overdose

Overdose through local or accidental oral administration is not likely. An overdose of this medication is unlikely to threaten life.

Storage Conditions

Store in a cool and dry place away from light. Keep out of reach of children. Do not touch the dropper tip to surfaces since this may contaminate the solution. After one month of the first opening do not use the medicine of dropper.

Commercial Pack

Moxigen-D: Each plastic dropper bottle containing 5 ml sterile eye drops.

Manufactured by :

 **GENERAL**
Pharmaceuticals Ltd.

Unit-2, Kaliakair, Gazipur, Bangladesh

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