

TOMYCIN D

TOBRAMYCIN USP + DEXAMETHASONE BP

Compositions:

Tomycin-D eye drops: Each ml contains Tobramycin USP 3 mg & Dexamethasone USP 1 mg. Tomycin-D eye ointment: Each gram contains Tobramycin USP 3 mg & Dexamethasone USP 1 mg.

Pharmacology:

Tomycin (Tobramycin) is sterile multiple dose antibiotic for topical ophthalmic use. Tobramycin (an aminoglycoside) binds irreversibly with 30S ribosomal subunit and inhibit protein synthesis that ultimately leads to bacterial cell death. Tobramycin works by killing bacteria and Dexamethasone (a steroid) suppresses the inflammatory response.

Dosage And Administration:

v In mild to moderate infections, instill one drops into the affected eyes every 4 hours during 1-2 days. ç In severe infections, instill 1 drop into the eyes hourly until improvement. ç Not more than 20 ml should be prescribed at a time.

Contraindications:

Viral infection, fungal infection, mycobacterial infection and known hypersensitivity to any of the component of this combination.

Warning And Precaution:

Prolonged use may result in overgrowth of non-susceptible organisms including fungi. If superinfections occurs, appropriate therapy should be initiated. If hypersensitivity develops discontinue use and initiate appropriate therapy.

Side Effects:

The reactions due to Tobramycin are localized ocular toxicity and hypersensitivity, including lid itching and swelling and conjunctival erythema, in case of 4% patients found only. The reactions due to steroid component are elevation of intraocular pressure, posterior subcapsular cataract formation and delayed wound healing.

Use in Pregnancy and Lactation:

Corticosteroids have been found teratogenic in animal studies. If maximum dose is given and complete systemic absorption occurs, which is highly unlikely the daily dose of Dexamethasone would be 2.4 mg. Reproduction studies of Tobramycin in rat revealed no evidence of impaired fertility or harm to the fetus. Tomycin-D eye drops should be used during pregnancy only if potential benefit justifies the potential risk to the fetus. Nursing mother: Systemically administered corticosteroid may appear into the human milk and could suppress growth, interfere with endogenous corticosteroid production or cause untoward effects. But it is not known whether topical administration of corticosteroid could result sufficient systemic absorption to produce detectable quantity in human milk. Tobramycin is not absorbed from GIT so it cannot go in the systemic circulation of nursing babies. Special caution should be taken when Tomycin-D eye drops is administered to a nursing woman.

Drug Interaction:

No specific interaction studies were performed with this combination eye drops. In case of concomitant therapy with other topical ophthalmic medicines, an interval of 10 minutes should be allowed between successive applications.

Overdosage:

Overdose of this eye drops may be flushed from the eye(s) with lukewarm tap water

Storage:

Store at 15°C-25°C. Do not freeze.

Packing:

Eye Drops: Dropper bottle contains 5 ml sterile eye drops. Eye Ointment: Each tube contains 3.5 gm ointment

Manufactured By:

The IBN SINA Pharmaceutical Industry PLC.

Shafipur, Gazipur, Bangladesh.