



- ***quinolone antibiotics (3rd generation)***
- ***moa: block***
 1. ***dna topoisomerase 2 in gram negative organisms***

2. *dna topoisomerase 4 in gram positive organisms*

- **use**

for bacterial infection of eye

- **A/E**

systemic

1. *skin rashes*

2. *phototoxicity*

3. *prolong qt interval*

Eye related

1. *blurred vision*

2. *watering of eyes*

THESE ARE NOT A POTENTIAL



MOA

- ***Lubricant***

Use

- ***Relieve dry /irritated eyes***

Side effect

- ***temporary blurring of vision***
- ***minor burning /stinging /irritation***



- ***Dexamethasone/tobramycin combo ointment(steroid-antibiotic ointment)***

- **group**

1. **tobramycin(aminoglycoside)**

2. **dexamethasone (steroid)**

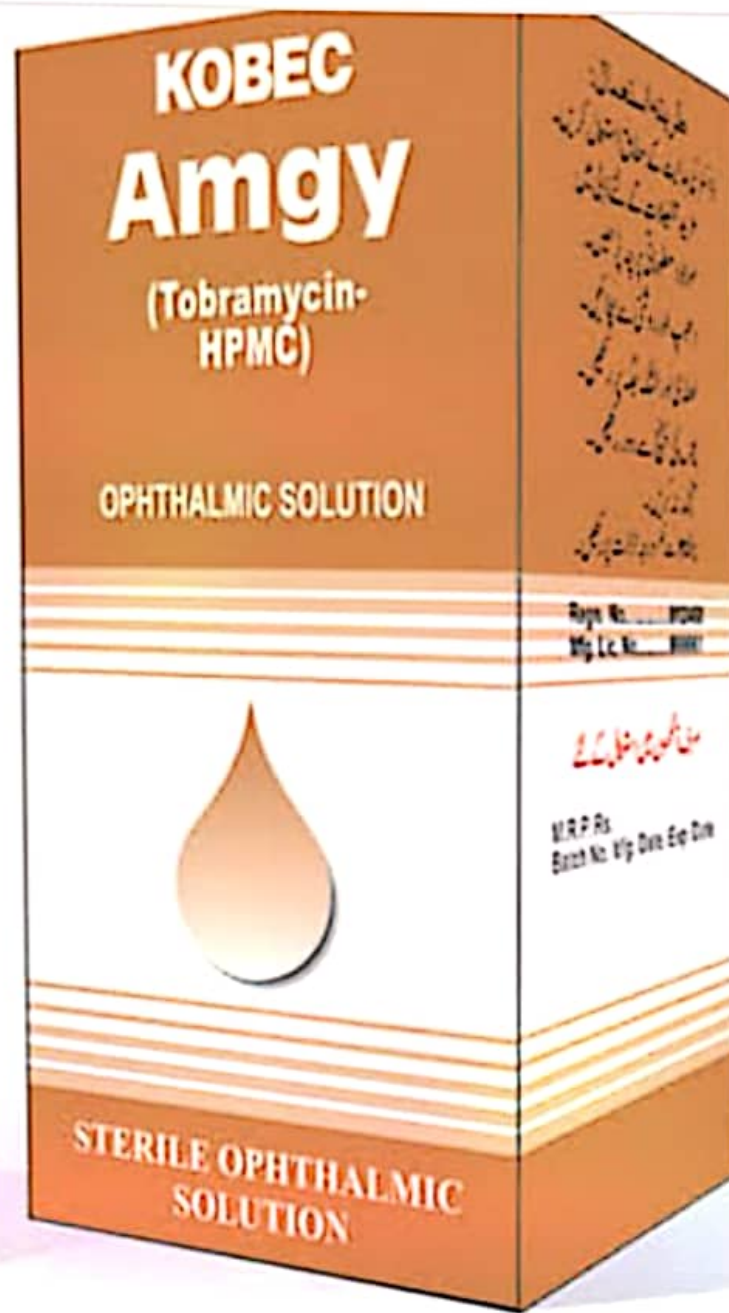
- **moa**

1. **tobramycin (antibacterial): dec
bacterial growth**

***bacterial protein synthesis inhibitor**

2. **dexamethasone(steroid): dec**

inflamm / swelling



Tobramycin - HPMC (HYDROxypropyl methylcellulose)

- **tobramycin_aminoglycoside**
- **HPMC - artificial tears**

- **moa**

1. **Tobramycin... Antibiotics**
2. **hpmc ...relieve dryness of eyes**

- **Use**

Trt infection of eye and its adnexa caused by bacteria

- **A/E**

1. **eye irritation**
2. **blurred vision**



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ILVERO

- **nepafenac**
- **moa: nsoids**
- **use:**

used for reducing following after cataract surgery

- 1. eye pain**
- 2. irritation**
- 3. redness**

- **a/e**

- 1. eye redness**
- 2. burning of eye**
- 3. headache**

Alcaine PROPARACAINE HCL

- **Topical anaesthetic**
- **Surgery's like glaucoma**
block voltage gated
na channels



a/e

1. hives(skin reaction)
2. diff in breathing



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Mydriacyl

- **Tropocamide**
- **non selective MUSCARINIC ANTAGONIST**
- **Dilate pupil before eye examination**
- **Red color wali bottle**
- **side effects:**
 1. **dry eye**
 2. **dry mouth**
 3. **blurred vision**

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- **side effects:**
 1. **dry eye**
 2. **dry mouth**
 3. **blurred vision**

Avanep (Nepafenac)

Ophthalmic Suspension

0.1%



ایوانیپ

اوپتھلیمک سسپینشن

Sterile

- **nsaids**

- **moa**

Inhibit COX

- **use**

reduce pain / inflammation after cataract surgery

- **side effect**

1. **capsular opacity**

2. **dec visual acuity**

3. **foreign body sensation**



- **Composition(oloptadine)**

1. **moa:**

antihistamines (*histamine receptor antagonist*) and mast cell stabilizer

- **use:**

reduce itching associated with allergies (allergic rhinitis/conjunctivitis)

- **side effect**

1. *headache*

2. *sore throat*

3. *eye discomfort*

4. *sleepiness*