

Bacterial Infectious Keratitis

Antibiotic Preparations

Periocular Ophthalmic Antibiotic Preparations

- Cephalosporins:
 - cefazolin (Ancef)** — Reconstitute 500 mg vial with 2.5 ml sterile water, making a concentration of 200 mg/ml. Inject 0.5 - 1 ml (100 - 200 mg) periocularly.
 - ceftazidime (Fortaz)** — Reconstitute 1 gm vial with 5 ml sterile water, making a concentration of 200 mg/ml. Inject 0.5 - 1 ml (100 - 200 mg) periocularly.
- Aminoglycosides:
 - gentamicin (Garamycin)** — 80 mg/2 ml vial (40 mg/ml). Inject 0.5 - 1 ml (20 - 40 mg) periocularly.
 - tobramycin (Nebcin)** — 80 mg/2 ml vial (40 mg/ml). Inject 0.5 - 1 ml (20 - 40 mg) periocularly.
 - amikacin**— 500 mg/2 ml vial (250 mg/ml). Inject 0.1 ml (25 mg) periocularly.
- Glycopeptide:
 - vancomycin (Vancocin)** — Reconstitute 500 mg vial with 10 ml sterile water, making a concentration of 50 mg/ml. Inject 0.5 ml (25 mg) periocularly.

Intravitreal Ophthalmic Antibiotic Preparations

- Cephalosporin:
 - ceftazidime (Fortaz)** — Reconstitute 1 gm vial with 4.4 ml BSS, making a concentration of 225 mg/ml. Take 1 ml of this and add 9 ml of BSS, making a concentration of 22.5 mg/ml. Inject 0.1 ml (2.25 mg) intravitreally.
- Aminoglycosides:
 - gentamicin (Garamycin) intrathecal**— 4 mg/2 ml. Combine 0.5 ml (1 mg) of intrathecal gentamicin with 0.5 ml BSS, making a concentration of 1 mg/ml. Inject 0.1 ml (0.1 mg) intravitreally.
 - amikacin** — 500 mg/2 ml vial (250 mg/ml). Combine 0.16 ml (40 mg) of amikacin with 9.84 ml BSS, making a concentration of 4 mg/ml. Inject 0.1 ml (0.4 mg) intravitreally.
- Glycopeptide:
 - vancomycin (Vancocin)** — Reconstitute 500 mg vial with 10 ml BSS, making a concentration of 50 mg/ml. Combine 2 ml (100 mg) of this solution with 8 ml of BSS, making a concentration of 10 mg/ml. Inject 0.1 ml (1 mg) intravitreally.

References available in pharmacy upon request