

GENTACOL

Eye/Ear Drops

Composition

Each ml contains:

Gentamicin (as sulphate) 3 mg

Action

Gentacol contains Gentamicin sulfate, a water-soluble antibiotic of the aminoglycoside group, active against a wide variety of pathogenic Gram-negative and Gram-positive bacteria.

Sensitive Gram-positive bacteria include coagulase-positive and coagulase-negative staphylococci (including certain strains that are resistant to penicillin), Group-A β -hemolytic and non-hemolytic streptococci and *Diplococcus pneumoniae*.

Sensitive Gram-negative bacteria include certain strains of *Pseudomonas aeruginosa*, indole-positive and indole-negative Proteus species, *Escherichia coli*, *Klebsiella Pneumoniae* (Friedlander's bacillus), *Haemophilus influenzae* and *Haemophilus aegyptius* (Koch-Weeks bacillus), *Aerobacter aerogenes*, *Moraxella lacunata* (Morax-Axenfeld bacillus) and Neisseria species, including *Neisseria gonorrhoeae*.

Indications

Gentacol is indicated for the topical treatment of infections of the external eye and its surroundings caused by Gentamicin-susceptible bacteria, such as conjunctivitis, keratitis and keratoconjunctivitis, corneal ulcers, blepharitis and blepharoconjunctivitis, acute meibomianitis and dacryocystitis.

Contraindications

Known hypersensitivity to the preparation.

Warnings

Prescribe with caution for patients with aural or renal disease. This is especially important if the patient is being treated concurrently with other ototoxic or nephrotoxic agents.

Pregnancy

Use only when clearly needed and when the potential benefits outweigh hazards to the fetus.

Adverse Reactions

Sensitivity reactions such as transient irritation, burning, stinging, itching, angioneurotic edema, urticaria, vesicular and macropapular dermatitis have occurred in some patients.

Precautions

Prolonged use of topically applied antibiotics may result in overgrowth of non-susceptible organisms, including fungi. Should this occur, or if irritation or hypersensitivity to the drug develops, discontinue treatment and institute appropriate therapy.

Drug Interactions

Combinations of an aminoglycoside with β -lactam type antibiotics (penicillins or cephalosporins) may result in significant mutual inactivation.

In vitro studies have shown that sulfacetamide in high concentration (18.75 mg/ml) increases the mean bactericidal concentration of Gentamicin against a wide range of strains of *Pseudomonas aeruginosa*. As such, concentrations are often reached, the use of sulfacetamide with Gentamicin in the treatment of eye infection is not recommended. Concurrent or sequential administration with other ototoxic, neurotoxic and/or nephrotoxic agents may increase the potential for adverse effects.

Dosage and Administration

Instill 1-2 drops into the affected eye, every 4 hours. In severe infections, dosage may be increased to as much as 2 drops every hour.

Presentation

Plastic dropper of 7 ml.