**Table I:** Classification of anti-infective ophthalmic preparations

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| --- | --- | --- | --- | --- | --- |
| **Class** | **Drug** | **Example** | **Route** | **Use** | **Dosage (children in brackets)** |
| Antibacterial | Sulfacetamide (sulphonamide) | Lennon-Sulphacetamide® ointment | Topical | *Chlamydia* conjunctivitis (combined with oral agent) |  |
| Fusidic acid | Fucithalmic® drops or ointment | Topical | *Staphylococcal blepharitis*/conjunctivitis |  |
| Silver nitrate 1% | Silver nitrate ophthalmic solution | Topical | Prophylaxis in newborn babies |  |
| Chloramphenicol | Chloramex® ointment and Chloromycetin® | Topical | Conjunctivitis, prophylaxis in newborn babies |  |
| Tobramycin (aminoglycoside) | Tobrex® drops or ointment | Topical | Conjunctivitis, keratitis |  |
| Ciprofloxacin (fluoroquinolone) | Ciloxan® drops or ointment | Topical | Conjunctivitis, keratitis |  |
|  | Ciprobay®, Ciploxx® and Cilofloc® | Oral | Endophthalmitis prophylaxis/treatment | 750 mg 2 x/day (5-10 mg/kg/dose) |
| Ofloxacin (fluoroquinolone) | Exocin® or Octin® drops | Topical | Conjunctivitis, keratitis |  |
| Gatifloxacin (fluoroquinolone) | Zymar® drops | Topical | Conjunctivitis, keratitis (not first-line) |  |
| Moxifloxacin (fluoroquinolone) | Vigamox® drops | Topical | Conjunctivitis, keratitis (not first-line) |  |
| Doxycycline | Cyclidox® and Doxitab® | Oral | Trachoma, chlamydial inclusion conjunctivitis, other | 100 mg 2 x/day x 3-6 weeks |
| Azithromycin | Zithromax® and Azimax® | Oral | Chlamydia conjunctivitis | 1 g stat (20 mg/kg stat) |
| Ceftriaxone | Rocephin® | IM | Gonococcal conjunctivitis/keratitis | 1g stat (125 mg stat) |
| Co-amoxiclav | Augmentin® and Amoksiklav® | Oral | Preseptal cellulitis, acute dacryocystitis | 625 mg/125 mg 3 x/day (check weight) |
| Erythromycin | Erymycin®, Betamycin® etc | Oral | Neonatal chlamydial conjunctivitis | (50 mg/kg/day in 4 doses x 2-3 weeks) |
| Antiviral | Acyclovir/aciclovir | Zovirax® ophthalmic ointment | Topical | Herpetic corneal ulcer | 5 x/day |
|  | Zovirax®, VyroHexal® and Lovire® | Oral | Herpes zoster ophthalmicus | 800 mg 5 x/day x 7-10 days |
| Gancyclovir/ganciclovir | Cymevene® | IV or intravitreal | CMV retinitis |  |
|  | Zirgan® ophthalmic ointment\* | Topical | Herpetic corneal ulcer |  |
| Famciclovir | Famvir® | Oral | Herpes zoster ophthalmicus | 250 mg 3 x/day x 7 days |
| Valacyclovir/valaciclovir | Zelitrex® and Zelivire® | Oral | Herpes zoster ophthalmicus | 1 g 3 x/day x 7 days |
| Trifluorothymidine | TFT Ophthiole® drops\*\* | Topical | Herpetic corneal ulcer |  |
| Antifungal | Natamycin | Natacyn® drops | Topical | Fungal corneal ulcer |  |
| Antiparasitic | Propamidine isethionate | Brolene® drops | Topical | Acanthamoeba keratitis |  |
| Ivermectin | Ivermectin | Oral | Onchocerciasis (river blindness) | 150 μg/kg every 6 months |
| Miscellaneous | Povidone-iodine | Aqueous solution 2-5% | Topical | Prophylaxis in newborn babies (antibacterial and antiviral) |  |
| Propamidine isethionate | Brolene® drops | Topical | Also has antibacterial and antifungal properties |  |
| Chlorhexidine gluconate | 0.02% solution | Topical | Acanthamoeba keratitis, antifungal |  |
| Antibiotic-steroid combinations | Spersadex Comp® and Tobradex® | Topical | Perioperative period. Not if diagnosis is uncertain |  |

CMV: cytomegalovirus, IM: intramuscularly, IV: intravenously