

Adverse Ocular Reactions to Systemic Medication (1/2)

<u>Systemic Medication</u>	<u>Common Conditions</u>	<u>Potential Ocular Side effects</u>
Antidepressants e.g Citalopram, Sertraline, Fluoxetine (Prozac), Seroxat	Depression, anxiety, OCD, Somniopathy (sleep disorder)	Dry eye (CL non tol), intermittent blurring (reduced accommodation), photophobia, blepharospasm
Anti-Anxiety (Benzodiazepenes) e.g. Diazepam, Lorazepam	Anxiety	Intermittent blurring (reduced accommodation), photophobia, Mydriasis
Hormone replacement & Oral contraceptives	Preventing pregnancy, HRT, Gender reassignment	Dry eye (CL intolerance)
Beta Blockers e.g. Propanolol, Bisoprolol	Hypertension, Migraines, Cardiac arrhythmia, Anxiety	Dry eye, Miotic pupils
Diuretics (water tablets) e.g. Furosemide, Bendroflumethiazide	Hypertension, Liver failure, Heart failure	Dry eye (CL intolerance)
Antihyperlipidemic drugs e.g Atorvastatin, Simvastatin	Raised Cholesterol	Dry eye (CL intolerance)
Anti-Coagulants e.g Warfarin	Blood Clotting, CVA prevention	Subconjunctival Haemorrhage, Retinal Haemorrhage
Amiodarone	Cardiac Arrhythmia	Vortex Keratopathy (Whorl like corneal deposits), Optic Neuropathy
Digoxin	Cardiac Arrhythmia	Photopsia, Red-Green colour defects
Antimalarials e.g Chloroquine	Malaria, Systemic lupus, Rheumatoid Arthritis	Chloroquine Retinopathy (Bull's Eye Maculopathy), Corneal Deposits
Corticosteroids e.g. Oral Prednisolone	Inflammatory and Allergic conditions	Raised IOP, PSC cataract, Can exasperate Keratitis or ocular infections, Papilloedema
Tamoxifen	Breast Cancer	Crystalline Maculopathy, Corneal changes (Tamoxifen Whorl Keratopathy)



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Adverse Ocular Reactions to Systemic Medication (2/2)

<u>Systemic Medication</u>	<u>Common Conditions</u>	<u>Potential Ocular Side effects</u>
Flomax (Tamsulosin)	Prostate Enlargement	Floppy Iris Syndrome
Minocycline	Acne	Raised Intracranial pressure and papilloedema
Ethambutol	Tuberculosis	Optic Neuritis
Topamax	Epilepsy and Migraine headaches	Angle-closure glaucoma
Anti-Allergy medication e.g. Loratidine, claritin	Hayfever and other allergies	Dry eye (CL intolerance), Reduced accommodation and blurring, Mydriasis
Levothyroxine	Underactive/removed Thyroid	Diplopia, Ptosis, Paralysis of EOM, Hyperaemia
Retinoids e.g Roaccutane	Acne, Psoriasis	Deficiency of Lipid layer in tears (dry eye), Keratitis, optic neuritis
Interferons e.g. Avonex, Pegasys	Multiple Sclerosis, Hepatitis	Optic neuritis, Conjunctivitis, cotton wool spots, Dry eye



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Adverse Reactions to Topical Ocular Medication

<u>Ocular Medication</u>	<u>Conditions</u>	<u>Potential Side effects</u>
Corticosteroids e.g. Pred forte, Maxidex	Ocular Inflammation	Raised IOP, PSC cataract, Can exasperate Keratitis or ocular infections, Papilloedema
Antibiotics e.g Chloramphenicol	Conjunctivitis	Allergy, Stinging, Burning, Bone marrow disorders
Antihistamine & Mast Cell stabilisers e.g Opticrom	Rhinitis, dust allergies etc	Dry eye, Burning, Stinging due to preservatives
Artificial Tear drops	Dry eye	Blurred vision, Stinging due to preservatives
Topical Anaesthetics e.g proxymetacaine	Contact tonometry, Foreign body injury	Allergic reaction, Stinging
Cyloplegics & Mydriatics	Dilated fundus examination, Determining Refraction, Uveitis	Blurred vision, Photophobia, Headache, Angle-closure, Raised IOP
Prostaglandin analogues e.g Xalatan	Glaucoma	Hyperaemia, Irritation, Eyelash growth, Eyelash colour change, Iris colour change (darken)
Alpha Agonists e.g. Alphagan	Glaucoma	Dry mouth, Dry eye, Hyperaemia, Irritation
Beta Blockers e.g. Timolol	Glaucoma	Bronchospams, Cardiac Arrhythmia, Shortness of breath, Conjunctival Hyperaemia, Reduced Heart rate
Carbonic Anhydrase Inhibitors e.g. Diamox & Trusopt	Glaucoma	Tingling sensation in hands & feet, Bitter taste



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