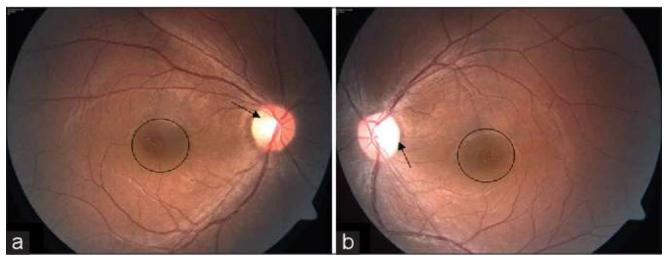
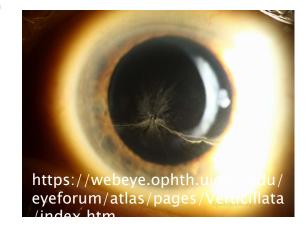
MEDICATION RELATED EYE PROBLEMS

Lots!

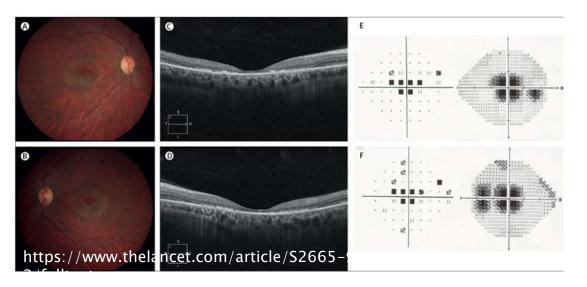


https://www.semanticscholar.org/paper/OPTIC-NEUROPATHY-INDUCED-BY-LOW-DOSE-OF-ETHAMBUTOL%3A-Addoor-Raju/a5d6dce8dd4dd691917a1ab9b2ef30969700b5fa





PLAQUENIL



- * Toxic to RPE (retinal pigment epithelium)
- * Low risk for ophthalmic side effects during first 5 years of treatment
- Risk of toxicity is decreased by limiting dose to <5.0 mg/kg real weight/day for</p>
- Renal impairment (poorer drug excretion) and older age (theoretically less healthy RPE) increase risk of developing maculopathy
- Risk of toxicity: <1% within 5 years, 2% within 10 years, and 20% after 20 years

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MEDICATION RELATED EYE PROBLEMS

Plaquenil - maculopathy

Topiramate - ciliary body effusion leading to acute angle closure

Isotrentinoin / Vitamin A - intracranial hypertension causing papilledema

Flurbiprofen, Goreian (Chinese hurb) – TINU

Steroids - central serous chorioretinopathy (CSCR), IOP rise

BP lowering medications - increased risk of NAION if taken before bed

MEDICATION RELATED RETINOPATHY

Disruption of the retina and retinal pigment epithelium	Vascular damage	Cystoid Macular Edema	Crystalline retinopathy	Uveitis	Miscellaneous
epithelium Chloroquine derivatives Phenothiazines Pentosan polysulfate sodium MEK inhibitors FGFR inhibitors Quinine sulfate Clofazimine Dideoxyinosine (DDI) Deferoxamine Ritonavir Alkylating agents Corticosteroid preparations Potassium or sodium iodate Denileuken diffitiox	Alkylating agents Talc Oral contraceptives Aminoglycosides (intraocular) Vancomycin (intraocular) Interferon Tacrolimus Gemcitabine Methamphetamine and cocaine Ergot alkaloids Phenylpropanolamine	Epinephrine Nicotinic acid Latanoprost Antimicrotubule agents Fingolimod Imatinib Glitazones Trastuzumab	Talc Ritonavir Tamoxifen Canthaxanthine Methoxyflurane Nitrofurantoin Fludarabine	Checkpoint inhibitors BRAF inhibitors Rifabutin Cidofovir Latanoprost	Sulfa derivatives Cardiac glycosides Methanol Phosphodiesterase-5 inhibitors Alkyl nitrites ALK inhibitors
Defineuren dil titlox					

https://eyewiki.aao.ofg/Drug_maculopathy

TOXIC OPTIC NEUROPATHY

- Alcohols: Commercial alcohol, Methanol*, Ethylene glycol*
- Antibiotics: Chloramphenicol, Sulfonamides, Metronidazole, Linezolid*
- Antimalarials: Hydroxychloroquine, Chloroquine, Quinine
- Antitubercular: Isoniazid, Ethambutol*, Streptomycin
- Antiarrhythmic: Digitalis, Amiodarone*
- Anticancer: Vincristine, Methotrexate, Tamoxifen
- PDE inhibitors: Sildenafil (Increases risk of NAION)
- Heavy metals: Lead, Mercury, Thallium
- Other: Carbon Monoxide, Tobacco

https://eyewiki.aao.org/Toxic_Optic_Neuropathy#Pathophy

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