



Course Description

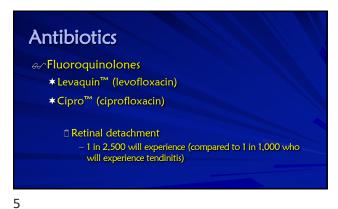
∴ Optometrists use topical and oral (systemic) pharmaceuticals for the treatment of a variety of ocular conditions in patient care

∴ Comparably, systemic medicines are used to treat numerous conditions by various practitioners in the healthcare system

∴ These treatments or pharmaceutical agents have the potential to produce ocular adverse side effects and systemic complications

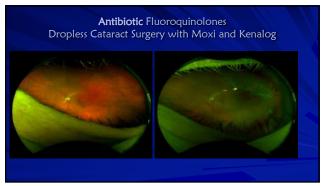
∴ This course will discuss the complications and adverse events that every optometrist should know

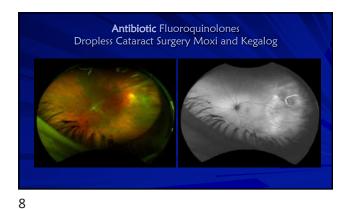
∴ This presentation will immediately aid in everyday patient care

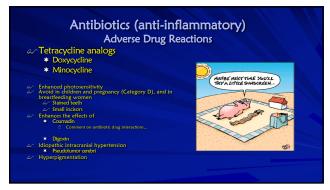


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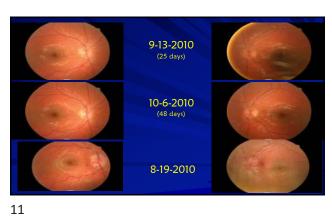










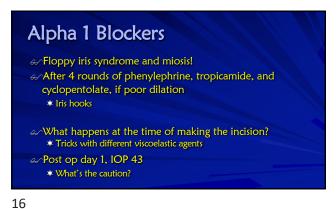


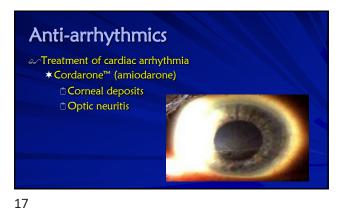




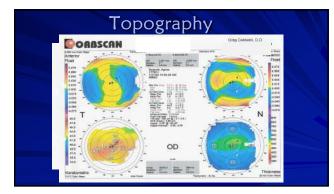


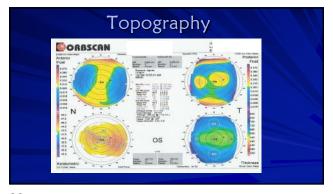


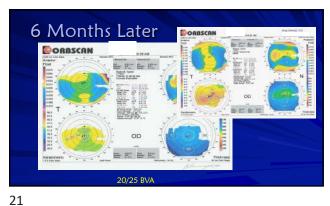


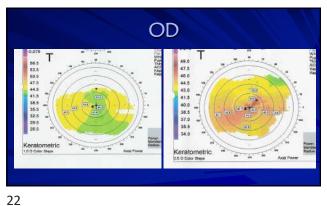


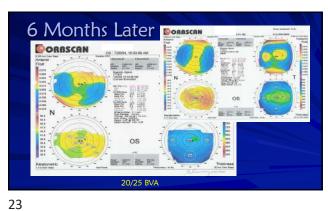


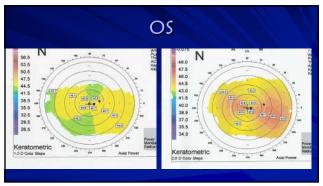






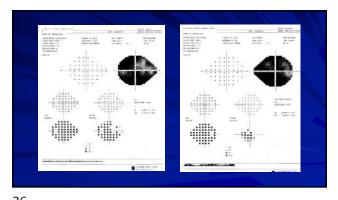






67 year old man complains of vision slowly deteriorating over the past 8 months Ar History of NA-ION 10 months ago OD Patient sees family physician for physical due to recent
NA-ION **★** Patient has not been to PCP for 35 years * Patient started Cardarone™ * VA 20/80 OD 20/25 OS (9 months ago)

AVA 20/400 OD 20/200 OS (today) ⊕∕CF: severe constriction OU





Rhopressa™ 0.02%
(netarsudil ophthalmic solution)

Aerie Pharmaceuticals

* Approved December 2017

* Treatment of glaucoma or ocular hypertension

* Rho kinase inhibitor

□ ROCK-NET Inhibitor

* Once daily in the evening

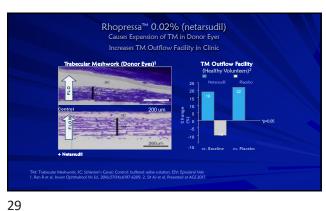
□ Twice a day dosing is not well tolerated and is not recommended

* Side Effects

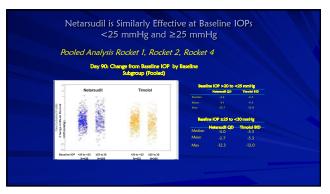
□ Conjunctival hyperemia

□ Corneal verticillata

□ Conjunctival hemorrhage



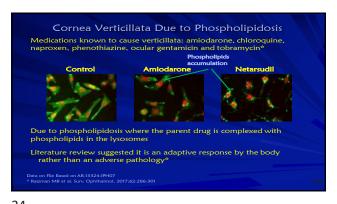
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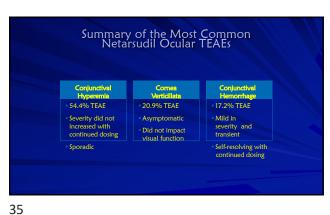










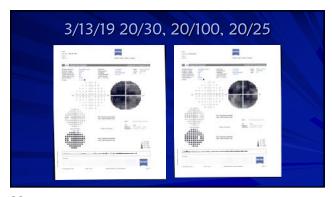


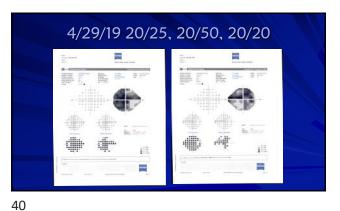
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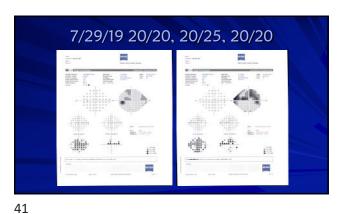


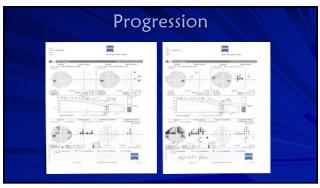






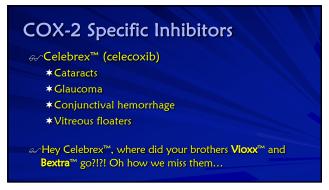






Osteoporosis Medications Bisphosphonates:
 * Fosamax™ (Alendronate)
 * Actonel™ (Risedronate)
 □ Episcleritis
 □ Uveitis 🖺 Iritis Typically, the benefit of using these agents outweigh the risks for ocular side effects

Encourage patients to get regular ophthalmic exams and to report any acute changes!







Autoimmune Agents

Arreatment of Multiple Sclerosis

* Gilenya™ (fingolimod)

□ FDA-approved oral agent for the treatment of relapsing forms of multiple sclerosis (MS) in September 2010

□ Macular edema

- FAME - Fingolimod-Associated Macular Edema

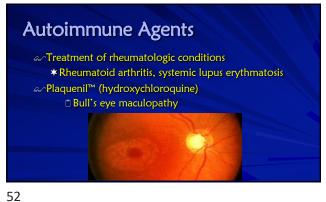
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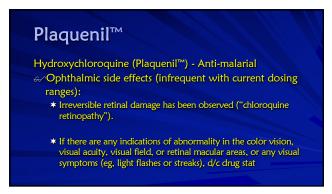










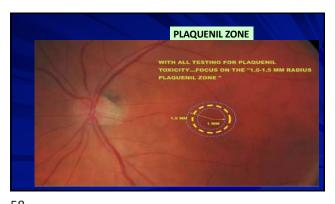






risk Factors: High dose and long duration of use are the most significant risks. Other major factors intent rend cleases, or use of tamoxien. It also that the most significant risks. Other major factors intent rend cleases, or use of tamoxien. It also that the most significant risks of the most risk

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igure 1 The flying saucer sign representing compromise of the perifoveal refinal issue with maintenance of the foveal refinal fissue. From Chen E, Brown DM, Ben AS, et al. Spectral domain optical coherence tomography as an effective creening test for hydroxychloroquine refinopathy (the "flying saucer" sign). Clin pphthalmol, 2010; 4: 1151—1158. Published online 2010 October 21. doi: 10.2147/OPTH.S14257 giving the impression of rising

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