



DIAGNOSTIC & THERAPEUTIC APPROACHES IN OPHTHALMOLOGY

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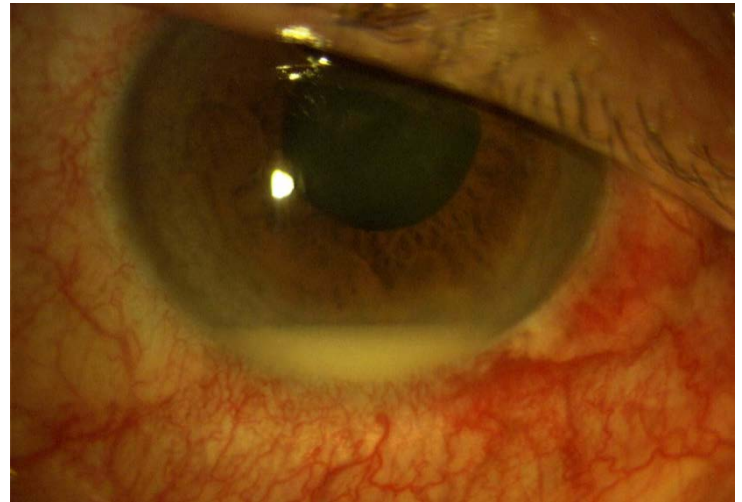
Chapter 10

Skills 76-90

- Uvea
- Systematic diseases and the eye

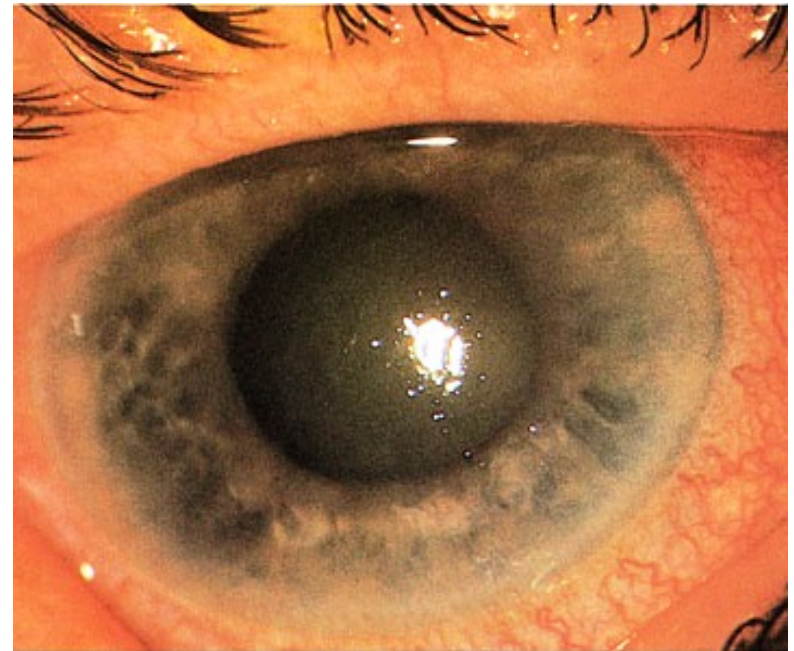
TS 76 : Iridocyclitis

- Limbal injection
- Decreased vision
- Photophobia
- Endogenous, exogenous
- Infectious, non-infectious
- Anterior chamber reaction
Hypopyon




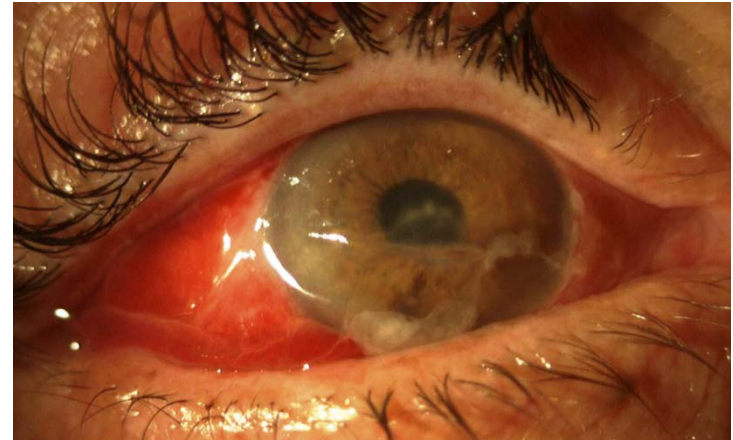
TS 76 : D/D Iritis - Angle closure Glaucoma

- Deep pain projecting towards the globe and orbit
- Cloudy cornea
- Blurry vision/Photophobia
- mid-dilated non-reacting pupil
- Limbal injection



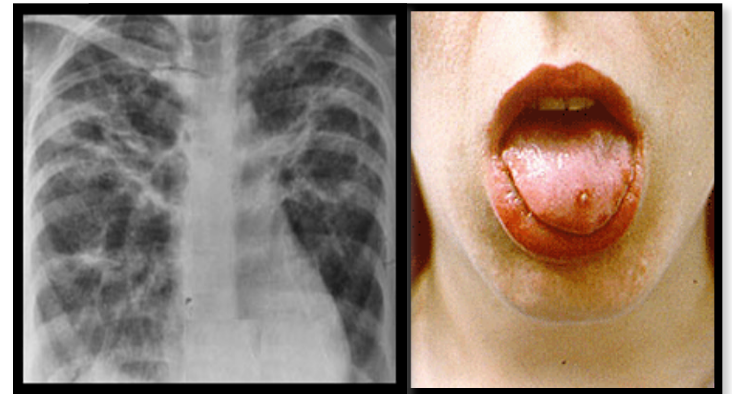
TS 76 : D/D Iritis - Conjunctivitis

- Muco-purulent discharge
- Visual Acuity 
- Coexistent blepharitis
- Hyperaemia of conjunctiva



TS 77 : Endogenous uveitis

- Ankylosing spondylarthritis
- Reiter s.
- Rheumatoid arthritis
- Vogt-Koyanagi-Harada s.
- Adamantiades s.
- Toxoplasmosis
- Acute retinal necrosis (CMV)
- Endogenous Bacterial contamination
- Sarcoidosis
- TB
- Ocular Lymphoma

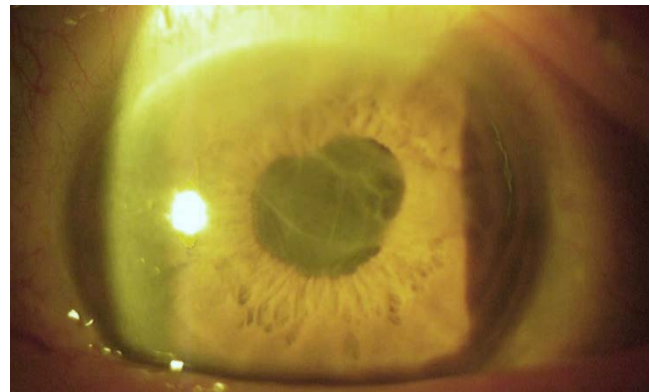
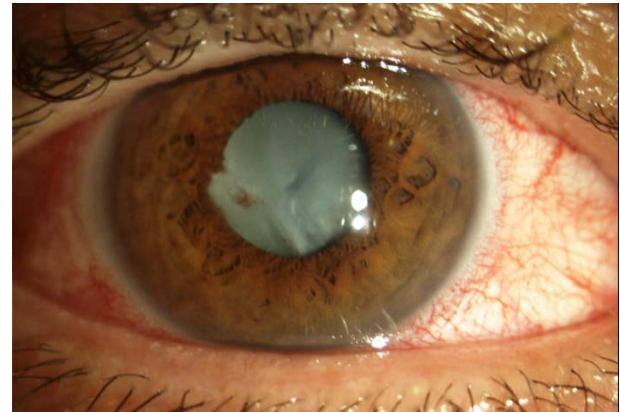


TS 78 : Iritis-related complications

- Corneal oedema
- Cataract
- Posterior synechiae
- Ocular hypertension
- Band keratopathy
- Cystoid macular oedema
- Swollen disk

Management

- Steroids-mydriatics



TS 79 : Toxoplasma chorioretinitis

- Toxoplasma gondii
- First infection is asymptomatic
- Congenital, maternal (via placenta) infection OR acquired
- Macular involvement → severe decrease in VA

COMBINATION

- Sulfathiazide
- Pyrimethamine
- Folic Acid



TS 80 : Choroidal melanoma

- Usually Asymptomatic
- Solid, protruding grey-orange mass
- Exudative retinal detachment possible

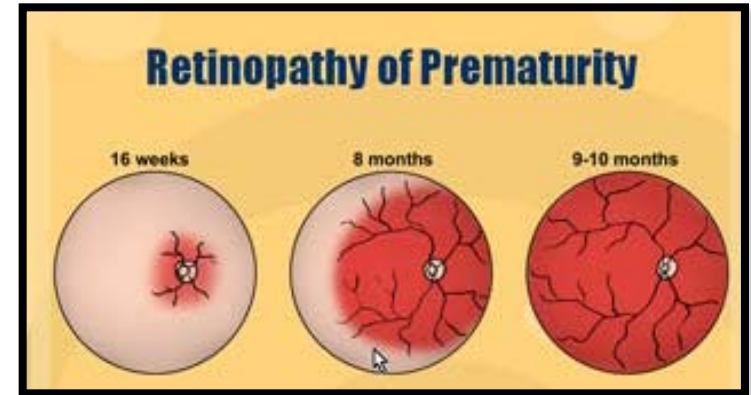
Management

1. Radiotherapy (proton beams plaque)
2. Enucleation



TS 81 : Retinopathy of Prematurity (RoP)

- Premature babies (weight < 1500gr)
- Exposure to pressurized O₂ increases risk
- Vasoconstriction → decreased flow → neovascularisation - fibrosis → tractional RD
- Management: Diode laser (cryotherapy)
- In advanced ROP visual prognosis is poor

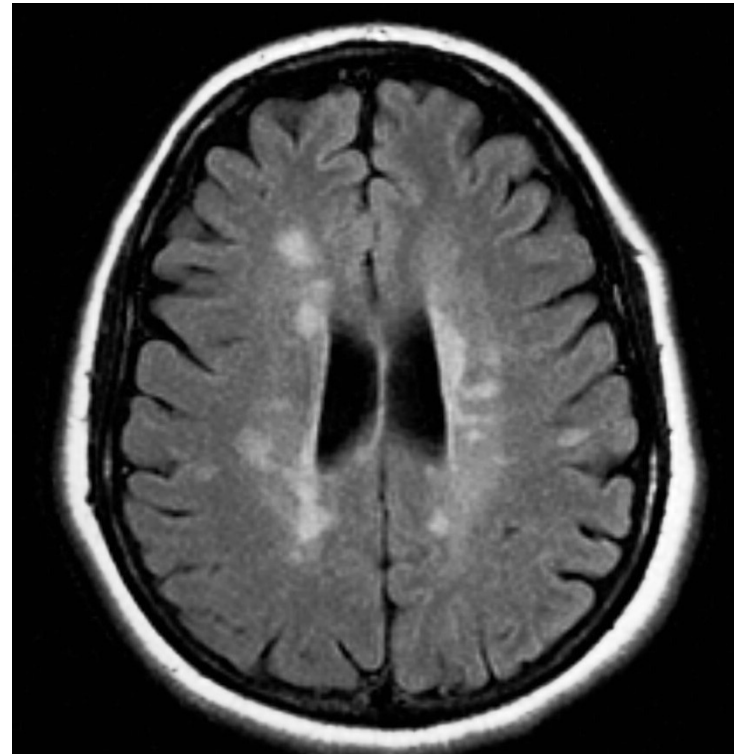


TS 82 : MS & the eye

- 1/3 of cases develop ophthalmic pathology as primary manifestation
- Retrobulbar neuritis
- Decreased VA
- Marcus Gunn pupil
- Pain on ocular movements
- Evoked potentials are often disturbed
- MRI → Demyelinated areas

Initial management

- i.v. steroids



TS 83 : Hemangiomas & the eye

- Sturge-Weber-Krabbe s.
- Haemangiomas V1 -V2
- May be accompanied with meningeal Haemangiomas
- Secondary glaucoma in 1/3 of cases



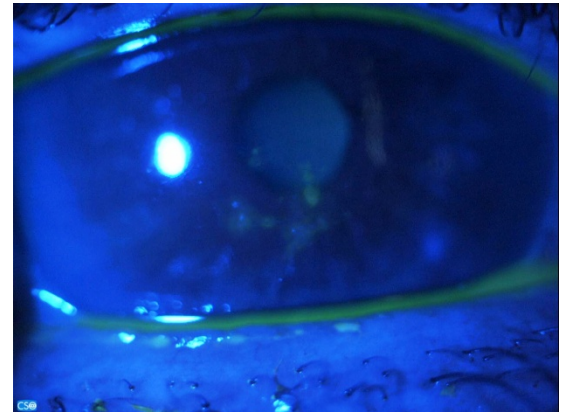
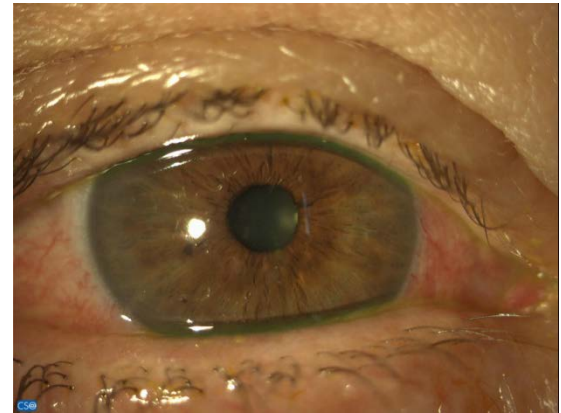
TS 84 : Ophthalmic Zoster

- VZV
- Gasser ganglion
- V1 (80%)
- Painful skin rash
- Keratopathy, iridocyclitis, ocular hypertension
- Treatment → analgesics, antivirals (acyclovir) and management of ophthalmic complications



TS 85 : Sjögren s. & Dry eye

- Auto-immune disease
- Higher prevalence in female
- Dry eye & mouth
- Systemic and topical treatment is required



TS 86 : Connective tissue disorders & the eye

- Scleritis-Episcleritis
 - i. Connective tissue disorder
 - ii. Temporal arteriitis
 - iii. Atopic dermatitis
 - iv. Psoriatic arthritis

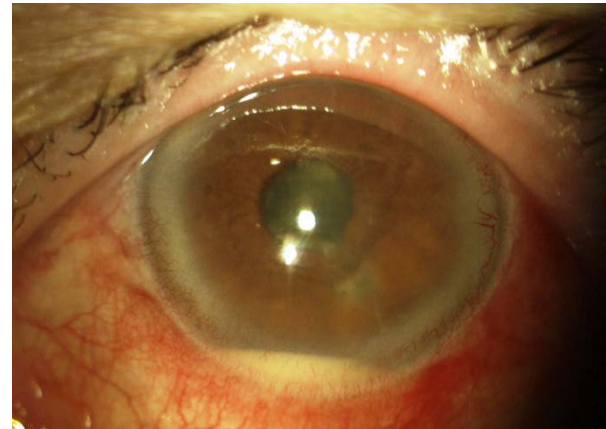


- Local redness
- Deep pain, sensitivity
- Management → Steroids & antimetabolites



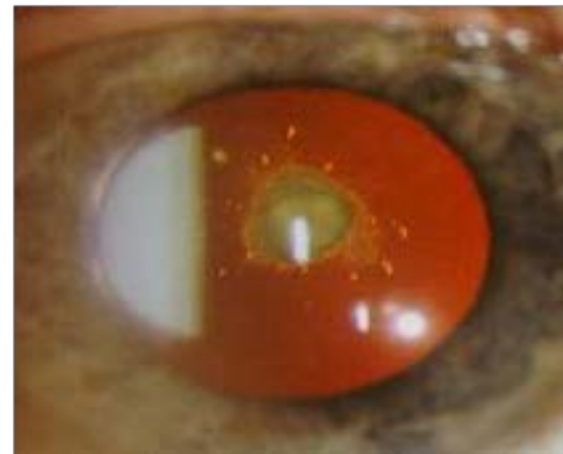
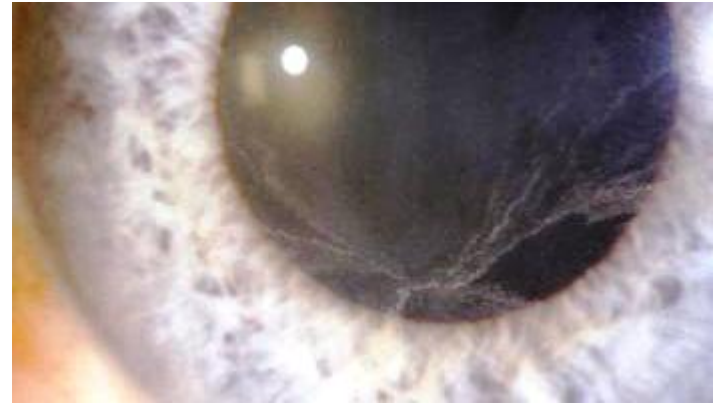
TS 87 : Adamantiades-Behcet disease & the eye

- Systemic vasculitis
 - a) Iritis with hypopyon
 - b) Boucal sores
 - c) Genito-urinary ulcers
 - d) HLA B5
- Prognosis unfavourable
- Steroids & immunomodulators



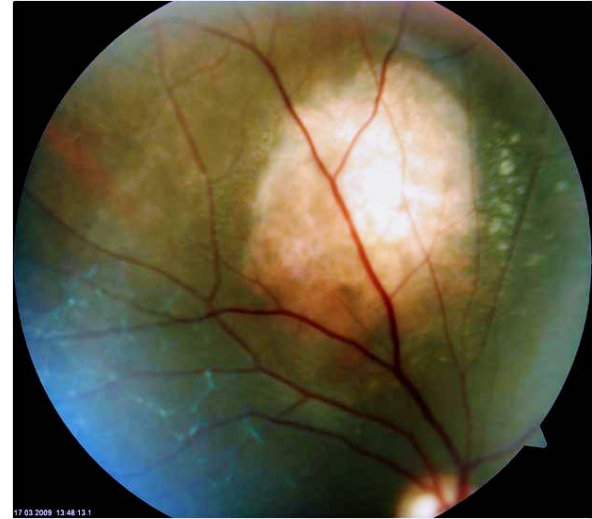
TS 88 : Drug related ophthalmic complications

- Quinine-Ethambutol → macular and RPE changes
- Amiodarone - heavy metals → Keratic accumulations - stain
- Steroids → Steroid-induced glaucoma, Posterior capsular cataract
- Methyl-alcohol → retrobulbar neuritis



TS 89 : Ocular metastases

- Lymphoma
- Breast and lung cancer
- Reduced VA
- Metamorphopsia



TS 90 : Crush syndrome & the eye

Superior vena cava stasis



Ischaemia,
retinal haemorrhages



Electronic Referrals – 10th Chapter

1. <http://emedicine.medscape.com/article/798323-overview>
2. <http://www.nlm.nih.gov/medlineplus/ency/article/001005.htm>
3. <http://emedicine.medscape.com/article/2044905-overview>
4. <http://www.cancer.gov/cancertopics/pdq/treatment/intraocularmelanoma/HealthProfessional>
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