Chapter 10
Skills 76-90

- Uvea
- Systematic diseases and the eye

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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 : Endogenic uveitis

- Angylotic spondylarthritis
- Reiter's
- Rheumatoid arthritis
- Vogt-Koyanagi-Harada syndrome
- Adamandiades syndrome
- Toxoplasmosis
- Acute retinal necrosis (CMV)
- Endogenic 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-mydratics
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 < 1500 gr)
- Exposure to pressurized O$_2$ increases risk
- Vasoconstriction $\rightarrow$ decreased flow $\rightarrow$ neovascularisation - fibrosis $\rightarrow$ 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**
  1. Connective tissue disorder
  2. Temporal arteriitis
  3. Atopic dermatitis
  4. 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