



OPHTALMIC SURGERY EXAM PREPARATION COURSE

08.10.2026. 12:30 – 18:30

Official language: English

Block 1 : Anterior Segment, Glaucoma & Strabismus

(Dr Hashemi, Dr Barrali, Dr Gkaragkani, Dr Vez & Dr Kaeser)

12 :30 13 :15 Glaucoma

- a. Glaucoma Type: Recognize the type, mechanism, visual fields and OCT interpretation, lines of treatment (medical, laser, surgery, what/when)
- b. Angle closure: Management according to stage
- c. Lasers in glaucoma
- d. When to operate?
- e. Which surgery?: indications, advantages and limits of each, leading to a decision algorithm.
- f. Intra- and postoperative complications and how to treat them
- g. Bleb-related complications
- h. Tube-specific complications

13:15-14:00 Strabismus

Presentation and discussion of representative cases

14:00-15h30 Anterior Segment

- 2. **Cataract** surgery
- 3. **Cornea**
- 4. **Refractive** surgery
- 5. **Traumatology** : anterior segment

Break : 15 :30 – 16 :00



Block 2 : Oculoplastics & Posterior segment

(Dr Libert, Dr Samutelela, Dr Montesel, Prof Wolfensberger, Dr Stappler, Dr Konstantinidis & Dr J. Potic)

16:00 – 16:40 Oculoplastics & Lacrimal drainage system

1. Ptosis (aponeurotic vs neurogenic) : differential diagnosis and how to operate ?
2. Entropion / ectropion : basic knowledge and surgical procedures
3. Grafts and flaps : theoretical and practical approach
4. Dacryocystitis :
 - a. Clinical and surgical management
 - b. When to perform a DCR and which DCR to choose ?
5. Orbital cellulitis : when to operate ?
6. Enucleation / evisceration / exenteration : Technical differences and types of prosthesis afterwards
7. Eyelid tumors (basal cell carcinoma) : what margins to choose and when to assess tumor spread
8. Traumatology : main reconstruction techniques
9. Sutures
 - a. What are the main sutures used in anterior segment, characteristics, when to take them out

Posterior segment

16:40-17:00 Medical Retina & Intravitreal Therapy

1. Intravitreal injections - technique & agents
 - Technique (step-by-step, viva-ready)
 - Anti-VEGF agents
 - Corticosteroid implants & other agents
 - Injection protocols
2. Neovascular AMD — haemorrhagic: inject vs vitrectomy
 - Assessment
 - Decision logic
 - Small / non-central SMH, fovea spared
 - Large / thick submacular haemorrhage
 - Breakthrough vitreous haemorrhage / dense media



3. Diabetic retinopathy - inject vs laser
 - Framework
 - DMO - when to inject
 - PDR - when to laser
 - When to operate (vitrectomy)
4. Retinal laser — types & parameters
 - Delivery platforms
 - Conventional single-spot
 - Pattern scanning (e.g. PASCAL)
 - Navigated laser (Navilas)
 - Micropulse (subthreshold)
 - Parameters to quote
6. Vignettes (close the session)

17:00-18:30 Vitreoretinal Surgery

1. Principles of Vitreoretinal Surgery, Instrumentation & Tamponades

- Basic principles and steps of pars plana vitrectomy
- Vitrectomy systems, instrumentation and relevant machine settings
- Fluid–air exchange and use of PFCL
- Tamponade agents: air, gases and silicone oils
- Choice of tamponade according to pathology
- General intra- and postoperative complications of vitrectomy

2. Retinal Detachments

- Types of retinal detachment: rhegmatogenous, tractional and exudative
- Assessment of **rhegmatogenous** retinal detachment:
 - Macular status
 - Extent and configuration of the detachment
 - Identification and characteristics of retinal breaks
 - Presence and grading of PVR
- Surgical options and indications:
 - Pneumatic retinopexy
 - Scleral buckling
 - Pars plana vitrectomy
 - Combined scleral buckle and vitrectomy
- Complex rhegmatogenous retinal detachment:



- PVR
- Giant retinal tears
- Selected complex situations

- **Diabetic tractional retinal detachment:**
 - Indications and timing of surgery
 - TRD versus combined TRD/RRD
 - Basic surgical strategy: segmentation, delamination and membrane dissection
 - Management of iatrogenic retinal breaks
 - Tamponade considerations
- Choice of tamponade
- Intra- and postoperative complications and their management
- ***Viva-Style Clinical Case***

3. Macular Surgery

Macular Hole

- OCT-based classification and surgical indications
- Surgical principles: ILM peeling, dyes and tamponade
- Postoperative positioning
- Persistent and recurrent macular holes
- Surgical complications

Epiretinal Membrane

- Clinical and OCT assessment
- Indications and timing of surgery
- Surgical principles: ERM and ILM peeling
- Expected anatomical and functional outcomes
- Surgical complications

Viva-Style Clinical Case

4. Common & Urgent Indications for Vitrectomy

Vitreous Haemorrhage

- Main causes and diagnostic approach
- Role of ultrasonography
- Observation versus early vitrectomy according to aetiology

Dropped Lens Material, Crystalline Lens & IOL Dislocation

- Indications and timing of vitreoretinal surgery
- Surgical principles



- Management of dropped nuclear fragments
- Secondary IOL considerations

Endophthalmitis

- Recognition and initial assessment
- Microbiological sampling and intravitreal treatment
- Tap and inject versus primary vitrectomy
- Common causative organisms
- Surgical considerations and complications

Viva-Style Clinical Case

5. Ocular Trauma & Surgical Emergencies

- Posterior segment trauma with and without intraocular foreign body
- Assessment and localisation of intraocular foreign bodies
- Principles and timing of vitreoretinal intervention
- Prevention and management of associated endophthalmitis
- Suprachoroidal haemorrhage:
 - Recognition and acute management
 - Indications and timing for surgical drainage
- ***Viva-Style Clinical Case***