



Host for EGS Fellowship/Travel Grant Program

Clinic: Rotterdam Eye Hospital (affiliated with Erasmus University Rotterdam)
 Director: H.G. Lemij (chair medical faculty)
 Contact Person: H.G. Lemij / J.G. Bollemeijer email: [click to send message](#)
 Comments: Strictly speaking not a university clinic, but the largest training facility for ophthalmology residents in the country

Number of Residents in Training approx. 25
 Number of Glaucoma Patients / year approx. 18000 (we are the largest glaucoma department in The Netherlands)
 Glaucoma out-patient days / week every day of the week
 Glaucoma surgery days / week every day of the week
 Number of glaucoma surgeries / year approximately 650
 Number of laser procedures / year approximately 300 (glaucoma related)

Goldmann applanation tonometry
 Dynamic contour tonometry (Pascal)
 Air-puff
 Ocular Response Analyser
 Tono-pen
 Rebound tonometry
 Pachymetry

IOP measurement	Comments
yes	Standard way of measuring IOP
-	
yes	For some clinics, gradually replaced by GAT
-	
-	Not in use anymore; replaced by iCare tonometer
yes	iCare
yes	

Indirect gonioscopy (Goldmann 3-2-1 mirror lenses)
 Direct gonioscopy (Koeppel lense etc)
 Dynamic gonioscopy (Zeiss, Posner, Sussmann lens)

Gonioscopy	Comments
yes	
yes	Goniosynechiolysis
yes	Standard way of gonioscopy

Anterior segment OCT
 UBM

Anterior segment imaging	Comments
available	Rarely in use



Standard automated perimetry (SAP) Humphrey or Octopus
Goldmann perimetry
FDT
Electrophysiology

Tests of visual function	Comments
yes	Standard tests HFA W/W 24-2 and 10-2
yes	Used less and less frequently
yes	Available, rarely in use
yes	Available, rarely in use for glaucoma

Trabeculoplasty (Argon and SLT)
Yag iridotomy
Peripheral iridoplasty
Laser suture lysis
YAG capsulotomy

Laser procedures	Comments
yes	ALT standard; SLT in progress of purchase
yes	Standard procedure
yes	following PI in case of plateau iris
yes	If and when required
yes	Commonly performed

Cataract surgery
Complex cataract surgery
Trabeculectomy
Use of antimetabolites and anti-VEGF
Aqueous shunts (non-valved and valved)
Non-penetrating procedures
MIGS
Combined procedures
Cyclodestructive procedures

New devices / surgical methods
Pediatric glaucoma surgery

Surgical Procedures	Comments
yes	Commonly performed
yes	Commonly performed
yes	Relatively rarely performed
yes	MMC in case of trabs; anti-VEGF in case of neovascular glaucoma
yes	Baerveldt implant 350 standard procedure, Ahmed in uveitis
no	In the past tried and abandoned
no	In the past Trabectome and Hydrus tried and abandoned
yes	
yes	Mostly with Diode laser and sometimes with cryoprobe; HIFU tried and abandoned
yes	See above
yes	



Needling of failing / encysted filtering blebs
 Repair of leaking blebs
 Management / reformation of shallow anterior chamber
 Management of hypotony and choroid detachment
 Re-operation following failure of glaucoma surgery

Management of surgical Complications	Comments
yes	Rarely performed
yes	Rarely performed
yes	Performed if and when required; rarely
yes	
yes	

Examination under anesthesia for congenital glaucoma
 Goniotomy
 Trabeculotomy
 Trabeculectomy

Childhood glaucoma	Comments
yes	Mostly done by pediatric ophthalmologists
yes	Rarely performed
-	
yes	Rarely performed



Basic research

Clinical research

Secondary research & systematic training in critical evaluation of literature (Evidence Based Medicine)

Health services research (including health economics)

Research activities	Comments
yes	Always with clinical relevance
yes	Mostly on functional and structural measurements in glaucoma; also on surgical techniques, genetics, shared care
yes	Regular clinical appraisal of topics (CATs)
no	

Clinical exposure sufficient to gain experience and be able to run independently a glaucoma clinic, medical and surgical management

Knowledge on how to organize, run and continuously improve a successful and sustainable (cost-effective) care service for glaucoma patients

Participation in local, regional, national, international professional and scientific meetings

	Comments
yes	
yes	There is a long tradition of developing shared care, both within and outside the hospital
yes	National meetings, president of Dutch Glaucoma Group on staff, president and founder of the Imaging and Morphometry Association for Glaucoma in Europe (IMAGE) on the staff, organizer of yearly national glaucoma meetings and symposia on the staff