



## Host for EGS Fellowship/Travel Grant Program

Clinic: Rotterdam Eye Hospital (affiliated with Erasmus University Rotterdam)  
 Director: A.D.A. Pardaens (chair medical faculty)  
 Contact Person: H.G. Lemij / C.Liu/J.G. Bollemeijer; email: [hlemij@me.com](mailto:hlemij@me.com)  
 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. 20000 (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 600 (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 (Koeppelense etc)  
 Dynamic gonioscopy (Zeiss, Posner, Sussmann lens)

Gonioscopy	Comments
yes	
yes	Goniosynechiolysis, angle surgery
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	SLT standard procedure
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	Commonly performed
yes	MMC in case of trabs; anti-VEGF in case of neovascular glaucoma
yes	Baerveldt/Paul implant commonly performed, Ahmed in uveitis
no	In the past tried and abandoned
yes	iStent, Preserflo, iTrack (in the past also Hydrus and Trabectome)
yes	
yes	TCP continuous wave and micropulse both performed; cryo rarely; 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	
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 artificial intelligence (AI), genetics, functional and structural measurements in glaucoma; also on surgical techniques, shared care
yes	Regular clinical appraisal of topics (CATs)
yes	Cost-effectiveness study of AI mediated glaucoma screening

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