



## Host for EGS Fellowship/Travel Grant Program

Glaucoma Clinic                      Department of Ophthalmology, University Hospitals UZ Leuven, Belgium  
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Number of Residents in Training                      21  
 Number of Glaucoma Patients / year                8417  
 Glaucoma out-patient days / week                    4  
 Glaucoma surgery days / week                        2 (1 surgeon full day, 2 surgeons half day)  
 Number of glaucoma surgeries / year                990  
 Number of laser procedures / year                    630

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

IOP measurement	Comments
X	
X	<b>Used mainly for research</b>
X	
(X)	<b>Available but not routinely used</b>
(X)	<b>Available for animal research</b>
X	
X	

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

Gonioscopy	Comments
X	
(X)	<b>Available but rarely used</b>
X	

Anterior segment OCT  
 UBM

Anterior segment imaging	Comments
X	
X	



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

Tests of visual function	Comments
X	
X	
X	
X	

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

Laser procedures	Comments
X	
X	
(X)	<b>Expertise in place but rarely performed</b>
X	
X	

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
X	
(X)	<b>Referred to our cataract specialists</b>
X	
X	
X	<b>Baerveldt</b>
X	
(X)	<b>Only phaco-MIGS</b>
X	
X	



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
<b>X</b>	
<b>X</b>	
<b>X</b>	
<b>X</b>	
<b>X</b>	

Examination under anesthesia for congenital glaucoma  
Goniotomy  
Trabeculotomy  
Trabeculectomy

Childhood glaucoma	Comments
<b>X</b>	
<b>X</b>	
<b>X</b>	



Basic research

Research activities	Comments
<b>2 PhD students</b>	<ul style="list-style-type: none"> <li>- <b>The eye as a window to the body</b></li> <li>- <b>IOL of the future</b></li> <li>- <b>Metabolomics in glaucoma</b></li> </ul>
<b>4 PhD students</b>	<ul style="list-style-type: none"> <li>- <b>Leuven Eye Study (vascular aspects of glaucoma)</b></li> <li>- <b>The vitreopapillary interface and glaucoma</b></li> <li>- <b>Surgical studies</b></li> <li>- <b>New diagnostic tools involving artificial intelligence</b></li> </ul>
Secondary research & systematic training in critical evaluation of literature (Evidence Based Medicine)	
Health services research (including health economics)	

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