



## Host for EGS Fellowship/Travel Grant Program

University Clinic: University Eye Clinic Bonn  
 Director: Prof Frank Holz (Clinic Director), Ass Prof Karl Mercieca (Glaucoma Services & Fellowship Director)  
 Contact Person: Karl Mercieca (via Jollyn Hoenselaar, [jollyn.hoenselaar@ukbonn.de](mailto:jollyn.hoenselaar@ukbonn.de))  
 Comments:

Number of Residents in Training 20  
 Number of Glaucoma Patients / year 10,000  
 Glaucoma out-patient days / week 4  
 Glaucoma surgery days / week 3  
 Number of glaucoma surgeries / year 1200  
 Number of laser procedures / year

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

IOP measurement	Comments
<b>YES</b>	
<b>NO</b>	
<b>YES</b>	
<b>YES</b>	
<b>NO</b>	
<b>YES</b>	
<b>YES</b>	

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

Gonioscopy	Comments
<b>YES</b>	
<b>YES</b>	
<b>YES</b>	

Anterior segment OCT  
 UBM

Anterior segment imaging	Comments
<b>YES</b>	
<b>YES</b>	



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

Tests of visual function	Comments
<b>YES</b>	
<b>YES</b>	
<b>YES</b>	
<b>YES</b>	

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

Laser procedures	Comments
<b>YES</b>	<b>Including D-SLT</b>
<b>YES</b>	
<b>YES</b>	
<b>YES</b>	
<b>YES</b>	

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
<b>YES</b>	
<b>YES</b>	
<b>YES</b>	
<b>YES</b>	
<b>YES</b>	
<b>YES</b>	
<b>YES</b>	Several ongoing studies
<b>YES</b>	
<b>YES</b>	Several ongoing studies (including first in eye)
<b>YES</b>	



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

Examination under anesthesia for congenital glaucoma  
Goniotomy  
Trabeculotomy  
Trabeculectomy

Management of surgical Complications	Comments
<b>YES</b>	
<b>YES</b>	
<b>YES</b>	
<b>YES</b>	
<b>YES</b>	

Childhood glaucoma	Comments
<b>YES</b>	
<b>NO</b>	
<b>NO</b>	
<b>YES</b>	And Tube surgery



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
<b>NO</b>	
<b>YES</b>	
<b>YES</b>	

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
<b>YES</b>	
<b>YES</b>	
<b>YES</b>	