



## RCOphth Annual Congress 2018

### **Glaucoma**

**Wednesday 23 May 2018 10.40 – 12.10**

**Chaired by Professor Paul Foster, Institute of Ophthalmology, UCL and Moorfields Eye Hospital**

This session aims to give a clinically relevant but research driven update on glaucoma, and features four internationally recognized speakers talking on their areas of special interest. Glaucoma has always been a condition that the clinician knows it when they see it, but is less easy to explicitly define and categorize. This is fundamentally important for both the clinician in identifying disease that needs treatment and differentiating it from static, non-progressive abnormalities that do not require or benefit from treatment. Prof Harry Quigley has been a leading authority in this area for his practicing and research career, and is currently leading a major research project to try to better define glaucoma for clinicians and researchers alike.

Glaucoma has major genetic determinant, but currently, single gene disorders account for around 5% of all disease seen in clinics. Large cohort studies are now giving clearer insights into the genetic mechanisms responsible for “common, all garden variety” glaucoma. Mr Anthony Khawaja has led a major study in this area that gives important new mechanism that influence glaucoma risk, and may be amenable to therapeutic intervention.

Mr Keith Barton has been an “early adopter” of new glaucoma surgical devices under the umbrella of MIGS – minimally invasive glaucoma surgery, and can speak with authority on all aspects for glaucoma surgery. The growing number of glaucoma implants, and the pressure from manufacturers to increase their use means that all clinicians must be aware of the strengths and weaknesses of each device, and be able to explain potential complications and risks associated with their use.

Dr Axel Petzold is a neurologist with a clinical practice focused on the visual system, in parallel with a very active research in this area. He has been involved in multiple studies of the role of ocular imaging in systemic neurodegenerative diseases, and will discuss the parallels and differences between glaucoma and other common, age-related neurodegenerations, and how the clinician can recognize patterns in these conditions, as well as exploring similarities and overlap.

- 10.40 – 11.10**      **Dynamic Glaucoma Diagnostics: Physiology not Anatomy is the answer.**  
Dr Harry Quigley, Johns Hopkins Hospital, Baltimore
- 11.10 – 11.30**      **Determinants of IOP - novel genetic and environmental factors and measurement error**  
Mr Anthony Khawaja, Moorfields Eye Hospital, London
- 11.30 – 11.50**      **Lessons for glaucoma from study of neurodegenerative diseases**  
Axel Petzold, VU University Medical Center, Amsterdam, The Netherlands
- 11.50 – 12.10**      **MIGS – Good, Bad and Ugly**  
Mr Keith Barton, Moorfields Eye Hospital