

# European Society of Ophthalmology



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**European Leadership Development Program Class of 2017-2019**  
**Project Abstract**

The European Society of Ophthalmology requests a brief abstract of the project that each EuLDP participants has worked on during the program. The compiled abstracts will be included on the SOE website and will be given to incoming EuLDP classes as background material. Please e-mail your abstract to E-mail: [secretariat@soevision.org](mailto:secretariat@soevision.org)

*Please include the headings if appropriate: **Title, Purpose, Methods, Results and Conclusion***

## ***Title of Project: Making ocular surgery safer***

### **Introduction:**

Complications in ocular surgery are increasingly uncommon, due to improvements in surgical techniques, use of appropriate adjuncts and risk stratification for case allocation. However, this can create a limitation of knowledge and experience for trainees in managing surgical complications.

### **Methods:**

Trainees in Scotland were surveyed regarding their experiences of managing complications – in particular, posterior capsule rupture, vitreous loss and the use of 3-piece IOLs (for sulcus placement), and limitations of current training programmes explored.

### **Results:**

Survey results were analysed, and issues identified. Wet and dry labs were organised to fill the gap in knowledge and experience, with theoretical and practical teaching to ensure familiarity with adjuncts and techniques. The EYESI simulator was upgraded to ensure latest software available to enable simulation training in these scenarios.

### **Discussion:**

In order to prioritise the need for appropriate training prior to complicated ocular surgery events, an existing library area was renovated into a “Teach and Train” hub for cataract simulation and dry lab facilities. Modernising this resource for the trainees provides an environment to upskill and learn techniques prior to requiring them intra-operatively – and so making ocular surgery safer.

**References:**

- 1: Jamison A, Benjamin L, Lockington D. Quantifying the real-world cost saving from using surgical adjuncts to prevent complications during cataract surgery. *Eye (Lond)*. 2018 Sep;32(9):1530-1536.
- 2: Guthrie S, Goudie C, Lockington D. Survey of Scottish ophthalmic trainees' experiences using 3-piece IOLs in cataract surgery. *J Cataract Refract Surg*. 2018 Mar;44(3):409.
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- 4: Lockington D, Belin M, McGhee CNJ. The need for all cataract surgeons to run a regular vitreous loss fire drill. *Eye (Lond)*. 2017 Aug;31(8):1120-1121.