

Posterior chamber intraocular lens exchange or explantation following primary cataract surgery for any indication.

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Background

Cataract surgery is the most performed surgical procedure in the UK. Although most patients who have undergone cataract surgery have excellent visual outcomes and do not require secondary surgery, there is a small proportion who will require removal or exchange of the primary PCIOL for various reasons. When this secondary procedure is performed it is associated with additional morbidity and is subject to the additional cost that accompanies secondary surgery.

The aim of this proposed study is to investigate the incidence of IOL removal and exchange in the UK and to examine the indications for this secondary procedure with analysis of final visual outcomes. Nationwide data will provide patients with a more accurate risk estimation and help us to address the causes for IOL explantation/exchange to reduce their incidence, associated morbidity and associated costs.

Statement Of Research Questions

- What is the incidence of and the indications for PCIOL removal and exchange
- Are certain patient groups and/or ocular conditions are more commonly associated with PCIOL removal and exchange
- Are different types of IOL are more commonly associated with IOL removal and exchange?
- How is PCIOL exchange managed and what are the visual outcomes?
- What is the distribution of time lapse between primary cataract surgery and subsequent PCIOL removal or exchange?

Case Definition

Any patient (including children) presenting to you for the first time, who has undergone removal or exchange of a posterior chamber intraocular lens (PCIOL) at a second operation following primary cataract surgery.