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Incidence and outcomes of post-operative endophthalmitis following phacoemulsification cataract surgery, 2015- 2022, London, UK

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Background: Cataract surgery remains the commonest ophthalmic surgical procedure in the UK. Post-operative endophthalmitis (POE) is a sight-threatening

Methods: Yearly incidence of POE following phacoemulsification cataract surgery in London between 2015 and 2022.

Results: We report a rate of 18 out of 154 826 (0.012%) cases of POE within seven weeks of cataract surgery. The age range was 43-87 years (mean age 67.1 years), and the male-to-female ratio was 1:1. Two cases were associated with intraoperative vitreous loss, one with anterior capsular tear extending to posterior capsular tear and the other with posterior capsular tear and dropped fragment. Two cases had a concomitant intravitreal injection, one of Triamcinolone Acetonide and the other of Dexamethasone implant (Ozurdex®), to manage chronic uveitic macular oedema. The majority of samples (89.9%) resulted in Gram-positive

Conclusions: High-quality surgery, training supervision and post-operative care whilst adhering to local and international standards.

Biography

Sharmina Khan is a Consultant in Cataract Surgery, Corneal Surgery and External Eye Disease and has worked as a Consultant in the NHS and private sectors for nearly a decade. As well as leading clinical audits in cataract surgery outcomes in the NHS, she conducts her own premium eye clinic from