

# **ABSTRACT**

## **BACKGROUND**

Pseudoexfoliation syndrome is an age related generalized disorder involving the eyes, particularly<sup>1</sup>. It forms the most common cause of open angle glaucoma<sup>2</sup>. Apart from open and closed angle glaucoma, it also has intra-operative and post-operative risks in the patients undergoing cataract surgery<sup>1</sup>.

## **AIMS AND OBJECTIVES**

1. To study the risk factors leading to intra-operative complication in patients with pseudo exfoliation undergoing cataract surgery.
2. To determine the intra-operative and postoperative complications in patients with pseudo exfoliation syndrome undergoing cataract surgery.

## **MATERIALS & METHODS**

### **Study Design:**

A hospital based cross-sectional study.

### **Setting**

Study was done at Department of Ophthalmology, Coimbatore Medical College Hospital, Coimbatore.

## **Duration of study**

From August 2013 to July 2014

## **Study population**

Patients who attended the Ophthalmology OPD and inpatients with pseudo exfoliation syndrome and cataract were included in the study based on selection criteria. About 50 patients were included in the study.

## **RESULTS**

On comparing the size of pupillary diameter with intra-operative complications a significant correlation ( $P = 0.021$ ) was obtained. Also, the present study showed that the poor mydriasis, Pre operative Zonular dialysis, Iridodonesis, Phacodonesis and type of cataract were the most common risk factors that affect the surgical outcome.

## **CONCLUSION**

Although Cataract surgery in Pseudoexfoliation is challenging, if the surgeon is aware of the condition pre operatively and pays meticulous attention to the surgical technique during small incision cataract surgery, the intraoperative complications can be managed and good outcome can be expected.

## **KEYWORDS**

Pseudoexfoliation, Cataract surgery, Glaucoma.