

## **Intracapsular Lens Extraction for the Treatment of Anterior Lens Luxations in Dogs and a Cat**

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Intracapsular lens extraction(ICLE) is used in the treatment of anterior lens luxation that predisposes the eye to secondary glaucoma. The purpose of this study was to determine the frequency of vision loss, glaucoma, cataracts, and corneal edema before and after ICLE.

The medical records of 8 dogs and a cat that underwent ICLE to remove the lenses luxated to the anterior chamber at the Veterinary Medical Teaching Hospital of Seoul National University from April 2005 to September 2007 were reviewed. The most frequently affected breed was Miniature poodle (n=3). The mean age was  $11.2 \pm 2.3$  years. Preoperatively, 6 eyes (67%) with anterior luxation had secondary glaucoma, 8 eyes (89%) had lost vision, and all eyes were affected corneal edema. Four weeks after ICLE, 8 eyes (89%) had intraocular pressure (IOP) less than 25mmHg, 6 eyes (67%) had vision. Corneal edema was reduced after ICLE in all eyes. Eyes with glaucoma before ICLE had a lower success rate (50%) than eyes without (100%).

This study reveals intracapsular lens extraction can be beneficial in the management of anterior lens luxation, but secondary glaucoma decrease the success rate of ICLE.

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