

## CATARACT SURGERY USING A NEW INTRAOCULAR LENS FOR DOGS MADE IN BRAZIL, RETROSPECTIVE REPORT.

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### ABSTRACT

**Purpose:** Cataracts are the main cause of vision loss in dogs and the only treatment is surgery. The replacement of the lens with an artificial lens is recommended for a better vision recovery. A new lens made by VIZoo, Brazil, IOVET, was tested in 50 completely blind dogs, 10 schnauzer (age of 7y and 9y) 20 mongrel dogs (age of 4y – 7y – 10y – 11y), 10 lhasa-apso (age of 4y and 6y) and 10 maltese (age of 9y and 10y). All dogs presented mature bilateral cataract, the mean pre surgical IOP were 15 mm/Hg resulting in 100 surgeries. **Methods:** IOVET is a one piece, four haptics, foldable, +41 D lens developed for dogs. Patients were subjected to bilateral surgery after approval in total eye and pre surgical exams. Phacoemulsification was performed and IOVET was placed in the capsular bag, through a clear cornea 2,4 mm incision, sutureless. Post-surgical medication were eye drops (VIGAMOX) TID during 10 days, (CETROLAC and PREDFORT), TID, BID and SID in a ten days scale **Results:** The average phaco ultrasound time was 2.27 minutes. Lens folding and injection went smoothly. On the third day follow up exam, 80% of the patients presented slight uveitis. On the tenth day, all eyes were clear and functional, and medium IOP was 19 mm/Hg. After 30 days, all dogs lived regular lives, playing, eating better and no obstacle bumping. **Conclusions:** Cataract surgery using IOVET promoted vision recovery in all dogs resulting in better quality of life.

**Key-words:** cataract, surgery, dog, intraocular lens

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