SURGEON'S PERCEPTION OF A NEW INTRAOCULAR LENS MODEL FOR DOGS: A MULTICENTER STUDY

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ABSTRACT

Purpose. To evaluate the quality of a new intraocular lens (IOL-IOVet) model for post-cataract surgery implantation in dogs, from the perspective of different surgeons. Methods. Six fixed-size (14mm) intraocular lenses (IOVet) were distributed to 8 cataract surgeons distributed in 7 veterinary ophthalmology centers. They were distributed to surgeons with different degrees of experience in order to minimize the surgeons' dexterity as a factor in the evaluation criterion. For any implanted IOL each surgeon answered a questionnaire. Questions were asked to verify the usability of the product and the answers were placed on a scale from 1 to 5, with 1 being completely dissatisfied and 5 being completely satisfied according to the *Likert* scale. Questions were made as follows: IOL design and manipulation for injection (Q1), placement and closure of the cartridge (Q2), expulsion by the cartridge (Q3), accommodation in the capsular bag (Q4), rotational stability in the capsular bag (Q5), malleability and thickness of haptics (Q6). A question about whether during the application of the lens there were problems with it (Q7), if so, what is the problem, also was answered. Results: 47 applications were evaluated. All animals had their IOLs implanted inside the capsular bag. It was found that all answers showed results as satisfied or completely satisfied. In Q2 and Q4, highest completely satisfied rates were achieved with 93.6% (44/47) and 85.1% (40/47), respectively. Conclusion: The new IOL proved to be well accepted by cataract surgeons, regardless of professional experience, and its implantation feasible after canine phacoemulsification surgery. None.

Key-words: Intraocular lens, Phacoemulsification, cataract, dog

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