

icare
TONOVET

**ALL EYES ARE
NOT THE SAME**
AS A CAT IS NOT A SMALL DOG



Icare TONOVET Plus
is the only tonometer available
with calibration for cats.



**NO ANESTHESIA
NO CALIBRATION**



CAT'S CORNEAL PROPERTIES ARE VERY SPECIFIC AND SHOULD HAVE A CALIBRATION OF THEIR OWN

The original TONOVET tonometer has one setting for both dog and cat, and it has already been validated as the most accurate tonometer for the cat IOP measurement*. With a small adjustment to the TONOVET Plus we now have the most accurate calibration for cat eyes.

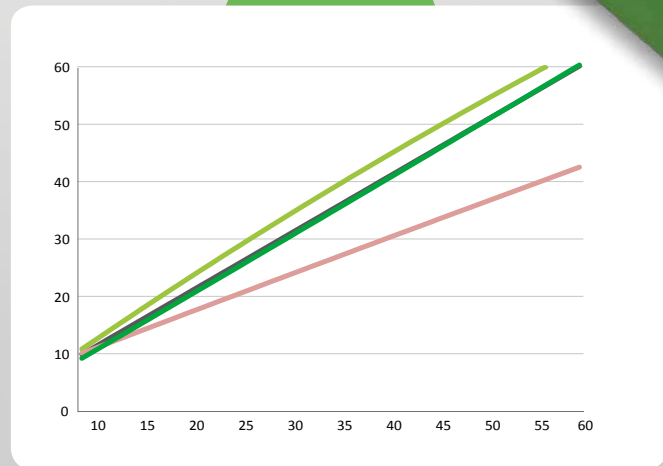
The new calibration was developed in co-operation with the University of Wisconsin-Madison, the Iowa State University and the University of Georgia. Experienced veterinary ophthalmologists did the development studies on enucleated eyes (species-specific). Manometry by cannulating the eye represents the true IOP (intraocular pressure) and the TONOVET Plus tonometer is calibrated to correlate with these species-specific manometric values.

Icare TONOVET tonometers are based on rebound technology, which is quick and easy to use, and does not require calibration by the user. The touch of a very light weight probe is so gentle that there's no need for topical anesthesia – to which cats don't react well.

Using the TONOVET Plus makes sure that those important IOP readings of your feline patients are easily obtained and accurate.



CAT



■ Manometer ■ TONOVET Plus trend ■ TONOVET trend ■ Applanation trend

*VALIDATION OF THE TONOVET REBOUND TONOMETER IN NORMAL AND GLAUCOMATOUS CATS

Gillian J. McLellan, Jeremy P. Kemmerling and Julie A. Kiland
University of Wisconsin, Madison, USA

PROCEDURES

The anterior chambers of both eyes of three anesthetized cats were cannulated and IOP was varied manometrically, first increasing from 5 to 70 mmHg in 5 mmHg increments, then decreasing from 70 to 10 mmHg in 10 mmHg decrements. At each point, two observers obtained three readings each from both eyes, with both the TONOVET and Tono-Pen XL. IOP was measured weekly for 8 weeks with both tonometers in six normal and nine glaucomatous unselected cats. Data were analyzed by linear regression. Comparisons between tonometers and observers were made by paired student t-test.

CONCLUSIONS

Both the TONOVET and Tono-Pen XL provide reproducible IOP measurements in cats; however, the TONOVET provides readings much closer to the true IOP than the Tono-Pen XL. The TONOVET is superior in accuracy to the Tono-Pen XL for the detection of ocular hypertension and/or glaucoma in cats in a clinical setting.

© Veterinary Ophthalmology, 2013

FELINE GLAUCOMA – A COMPREHENSIVE REVIEW

Gillian J McLellan and Paul E Miller
University of Wisconsin, Madison, USA

It is noteworthy that most applanation tonometers dramatically underestimated IOP above about 30mmHg when compared to manometry. Despite their widespread application in clinical veterinary practice, the systematic underestimation of IOP in glaucomatous cats by most applanation tonometers may have contributed to an underestimation of the true prevalence of glaucoma in the feline population. The Tonovet® rebound tonometer is more accurate than the Tono-Pen, particularly at IOPs > 30mmHg; does not require application of topical anesthetic; is well-tolerated by cats, and may be considered most suitable among current, commercially-available tonometers, for diagnosis and monitoring of glaucoma in cats.

© Veterinary Ophthalmology, 2011



WATCH CAT'S IOP MEASURING VIDEO ON YOUTUBE!

www.tonovet.com