Cambridge University Study

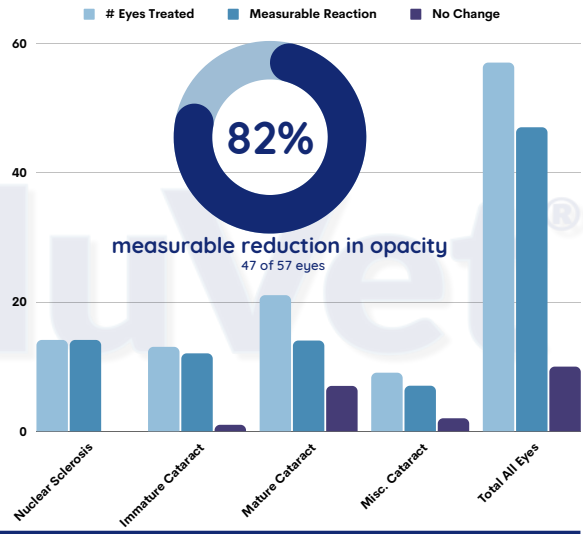
The effect of a topical antioxidant formulation including N-acetyl carnosine on canine cataract: a preliminary study by David L. Williams and Patricia Munday
Department of Veterinary Medicine, University of Cambridge, Madingley Road, Cambridge, CB3 OES, England, UK (9/2006, Journal of Veterinary Ophthalmology)

Summary

Animals Studied: 30 dogs of varying breeds and ages with a spectrum of lens opacities ranging from nuclear sclerosis to total mature cataract.

Methods: Dogs were treated three times daily with topical 2% N-acetyl carnosine in a buffered vehicle containing the antioxidants glutathione, cysteine ascorbate, L-taurine, and riboflavin (OcluVet®)

Dogs were examined prior to treatment and at 2, 4, and 8 weeks during treatment, by direct and indirect ophthalmoscopy and slit-lamp biomicroscopy after pharmacologic pupil dilation



Conclusion: Reduction in lens opacification in a substantial number of cases of canine cataract with the use of a topical nutritional antioxidant formulation including N-acetyl carnosine. Lens opacification was improved with treatment in eyes with immature cataract or nuclear sclerosis while in eyes with mature cataract or cataract with associated intraocular inflammatory pathology less reduction was seen.

Multi-Veterinary Clinic Study

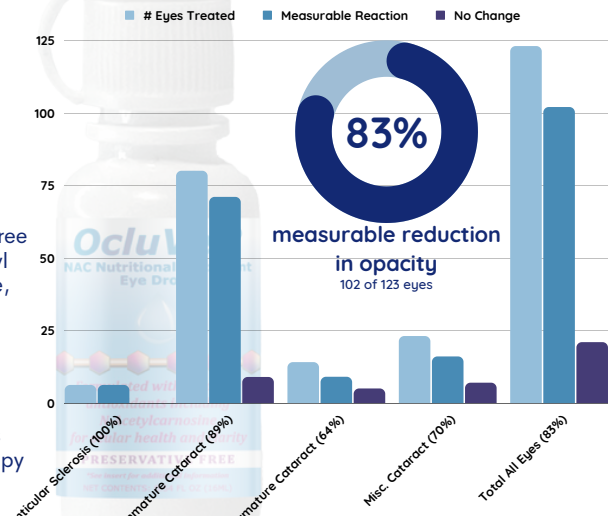
Multi-Veterinarian/Multi-Veterinary Clinic study - Data gathered from 23 veterinary hospitals in different geographical locations in the United States

Summary

Animals Studied: 64 animals of varying species, breeds, and ages with a spectrum of lens opacities ranging from lenticular sclerosis to hypermature cataract.

Methods: Patients were treated three times daily with topical 2% N-acetyl carnosine, L-carnosine, glutathione, cysteine ascorbate, L-taurine, and riboflavin (OcluVet®) in a buffered lubricating solution.

Animals were examined prior to treatment and at 4, 6, and 8 weeks during treatment, by ophthalmoscopy and varying tests of visual responsiveness, including owner observations.



OcluVet®