

**Free-radical status of aqueous humour in dogs with cataractous hypertensive eyes**

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Aqueous humour samples of 12 dogs which had undergone surgery for co-existent cataract and ocular hypertension, were collected by anterior chamber centesis, immediately before the corneal incision. The antioxidant enzyme - catalase, was estimated as an indirect measure of free-radical status of the aqueous humour samples of the dogs under study. Since aqueous humour value for catalase was not available, it was compared to the erythrocyte values, earlier reported in cataractous dogs, and was found very low. Findings suggest that oxidative changes were happening in the eyes of the present study, resulting in generation of more free-radicals. Photo-oxidation would have resulted in cataract.

**Biography**

Sooryadas S. has completed his Ph.D. from Tamil Nadu Veterinary and Animal Sciences University. He is presently an Assistant Professor of Veterinary Surgery in the Kerala Veterinary and Animal Sciences University. He had attended seven international and nine national symposia and presented more than fifty papers. He has published more than 20 papers in national journals.