

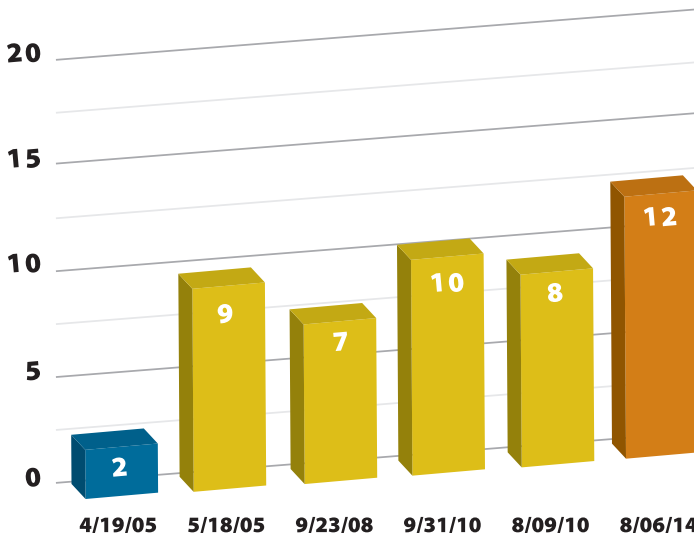


CASE STUDY: DRY EYE IN DOGS

CASE STUDY OBJECTIVES

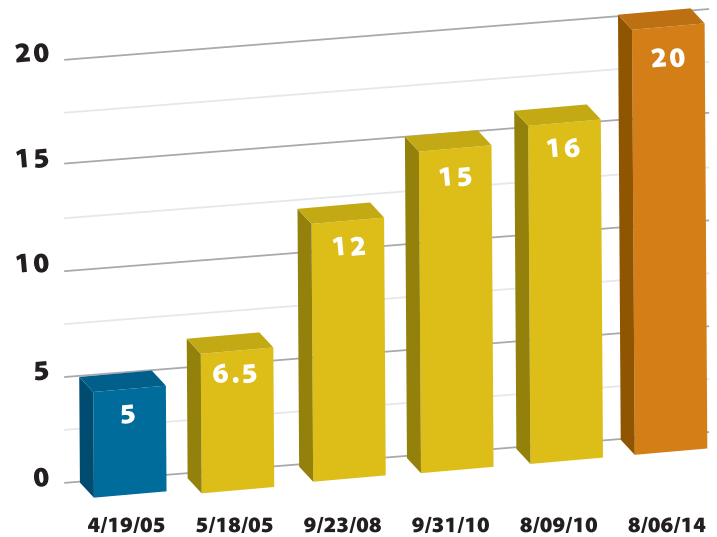
- To demonstrate the potential for **Provinal® Purified Omega 7** to improve dry eye conditions in dogs
- To demonstrate the potential for **Provinal® Purified Omega 7** to reduce inflammatory response in dogs
- To demonstrate the potential for **Provinal® Purified Omega 7** to be a natural alternative to drugs for pet owners

**SCHIRMER TEAR TEST RESULTS
LEFT EYE (IN MM)**



■ Untreated ■ Optimune® ■ Provinal®

**SCHIRMER TEAR TEST RESULTS
RIGHT EYE (IN MM)**



■ Untreated ■ Optimune® ■ Provinal®

CONCLUSIONS :

- **Provinal® Purified Omega 7** improved dry eye symptoms better than Optimune®
- **Provinal® Purified Omega 7** improved inflammatory response conditions
- **Provinal® Purified Omega 7** has potential as a natural alternative for pet owners dealing with conditions of inflammation

VETRINARIAN'S FEEDBACK:

I have been seeing "Bailey" Rodak (a 15 year old male Bishon) for over 10 years as a veterinary patient. I diagnosed him with kera-toconjunctivitis sicca or KCS in April of 2005. He was on intermittent treatment with either topical cyclosporine (Optimmune®) or compounded tacrolimus 0.02% for the last 9 years.

He had the following Schirmer Tear Test results over the years:

4/19/05	OS: 2	OD: 5	started topical Optimmune®
5/18/05	OS: 9	OD: 6.5	
9/23/08	OS: 7	OD: 12	
3/31/10	OS:10	OD: 15	
8/9/10	OS: 8	OD: 16	

His owners started him on Cardia7 supplement (210mg Omega 7 per capsule twice daily) approximately six months ago and he has not been on any topical ophthalmic medications. These tests are higher than they have been while on topical ophthalmic medication.

I have recommended to start topical cyclosporine in the left eye as it is below normal.

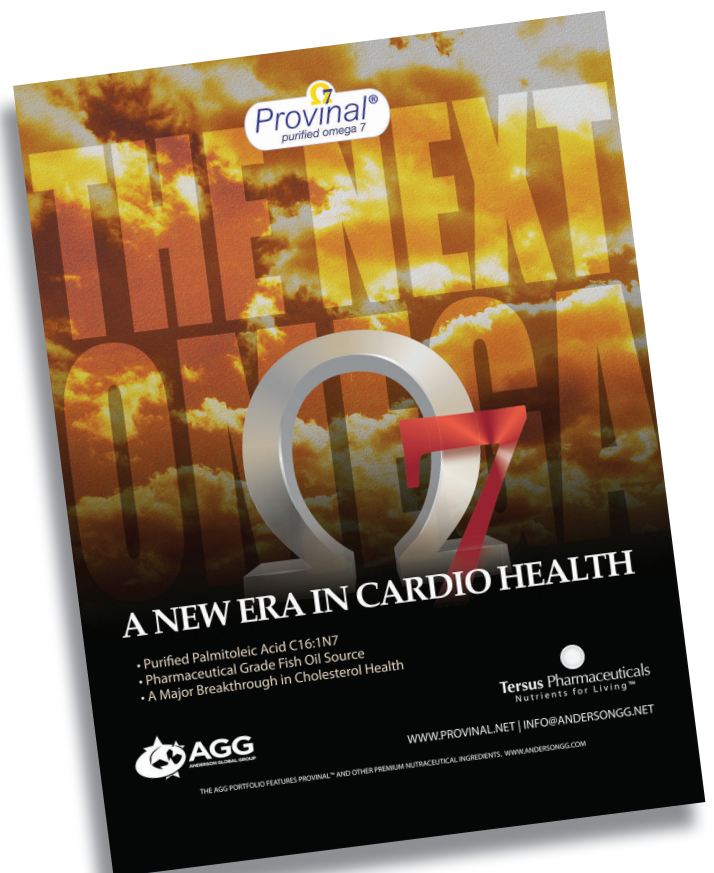
8/6/14 OS: 12 OD: 20

Please contact me if you have further questions.

Dr. Megan Barnhizer

c/o Animal Hospital, Inc.

This case study was conducted at Animal Hospital, Inc. a full service animal hospital in Willoughby Hills, Ohio.



Provinal® is a registered trademark of Tersus Pharmaceuticals, LLC