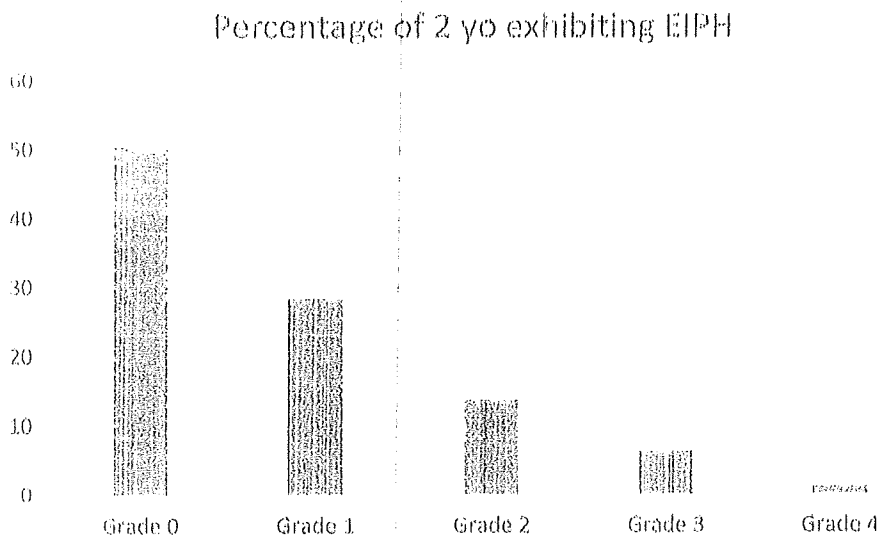
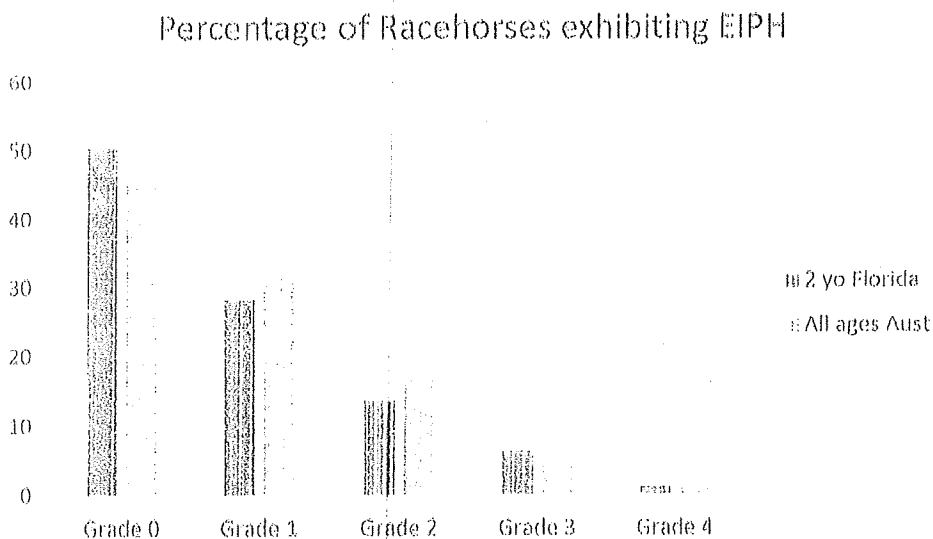


During the 2015 racing season, the Stronach Group held no-Lasix races for two year olds. A study was conducted by Dr. Steve Selway wherein these horses were endoscoped after racing and a number of factors were determined about racing without Lasix in the most vulnerable group of our equine athletes, 2-year-olds.

The following graph shows the percentages of each grade of EIPH in this group of horses:

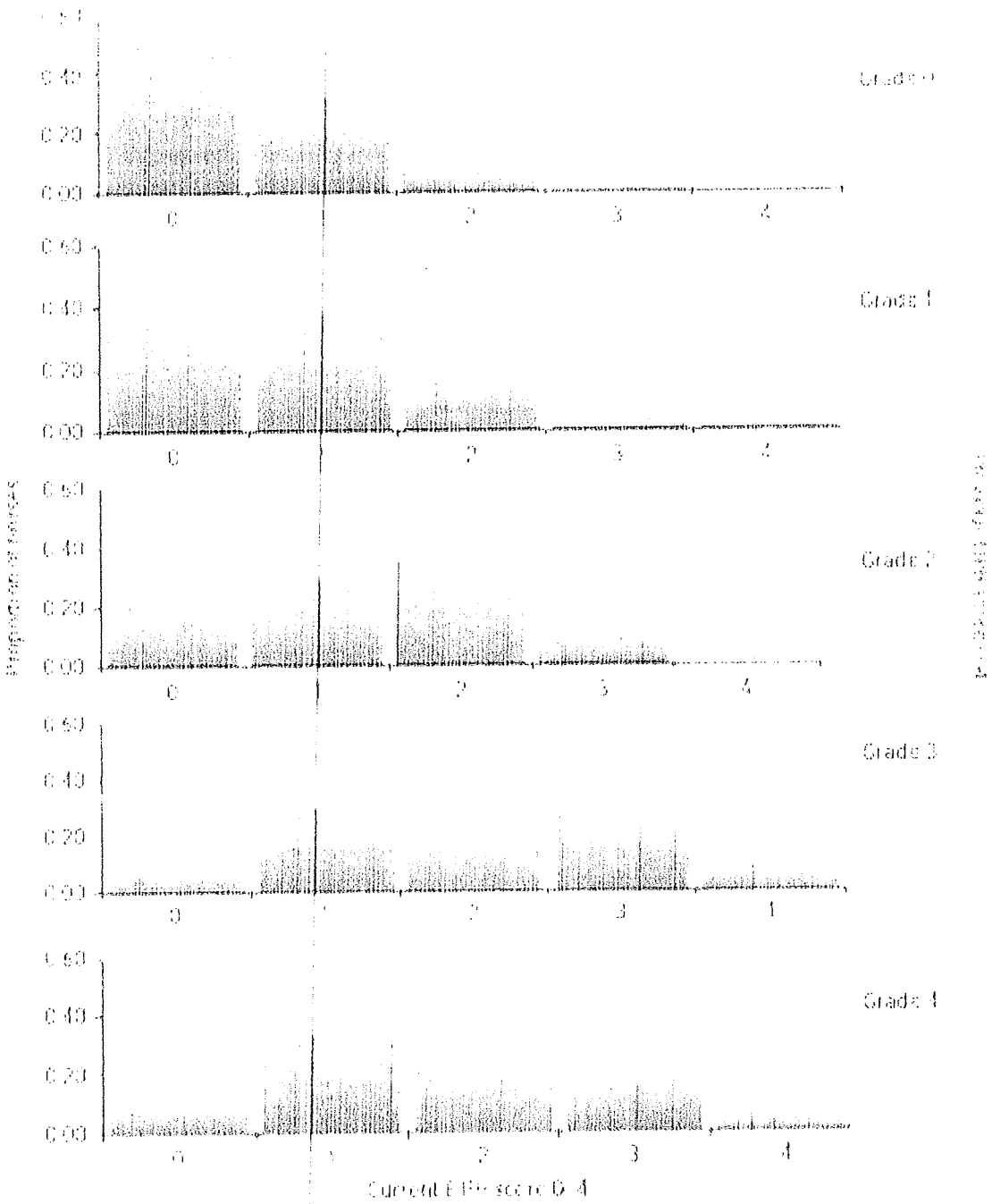


For Comparison, I have added the data from Australia, which includes all age groups:



Conclusion: Two Year Olds are at risk of EIPH, and that risk is only SLIGHTLY lower than older horses

This graph, from the Australian Crispe paper, shows that, once you are beyond Grades 0 and 1, EIPH is a progressive disease.



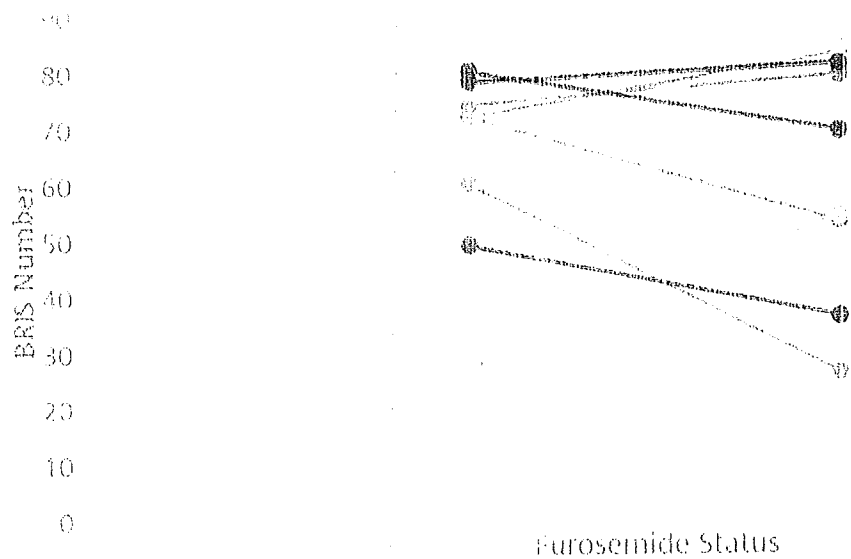
Why would we set up an entire crop of horses to pulmonary injury?

Finally, the arguments to eliminate Lasix on raceday include:

1. Contributes to breakdowns: The literature is clear on this. There is no association with breakdowns. To the contrary, fatigue has been clearly shown to be associated with athletic injury, and EIPH causes fatigue.
2. Interferes with drug testing: The literature is clear on this also. No effect on drug testing at 4 hours.
3. Performance enhancing: The literature is mixed. However, Selway's research provides us with some information on this:

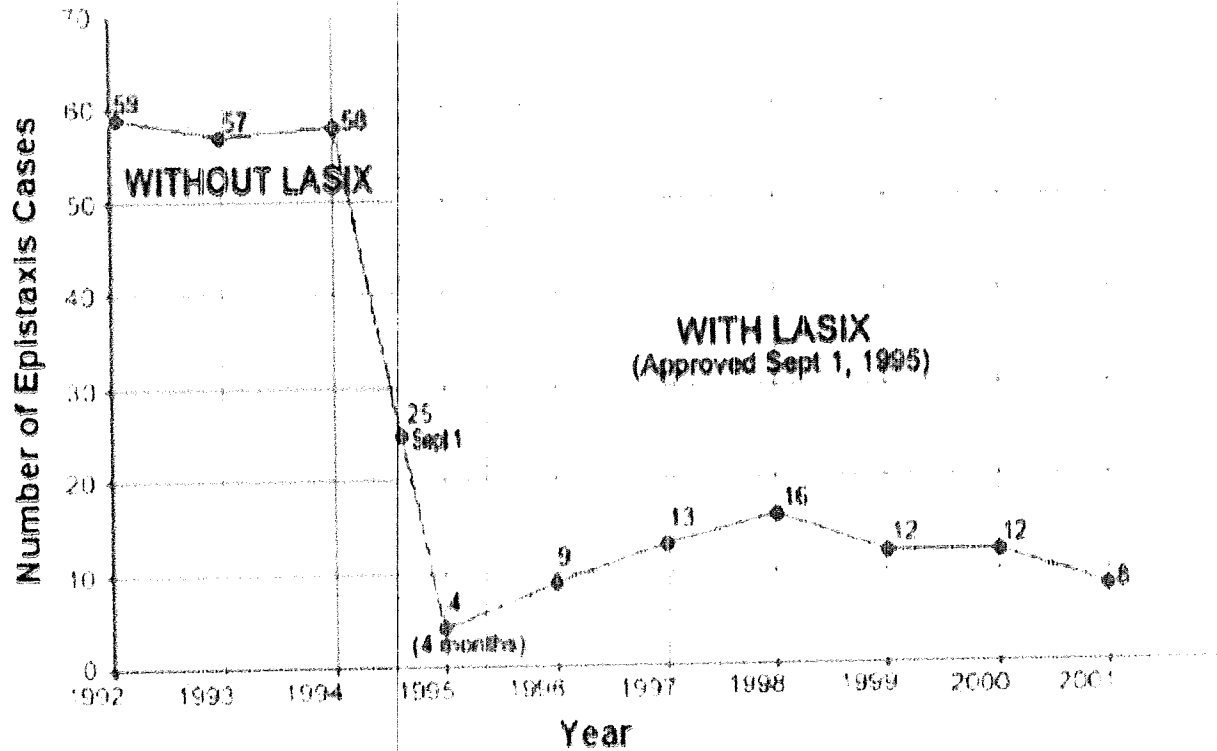
In 2 year olds that raced both with and without Lasix with NO EIPH, speed figure improved in about half, and about half regressed. This is one of the few studies ever done that evaluated, by endoscopy, the same horses without EIPH both with and without Lasix.

### Furosemide Effect in the absence of EIPH



The no-Lasix experiment has already been performed in New York in the 80's and early 90's. This graph is taken from Tobin et al., 2012 *Furosemide, the prevention of epistaxis and related considerations: A Preliminary Evaluation*. In the International Journal of Applied Research in Veterinary Medicine:

## Epistaxis Cases in New York Pre and Post Lasix Approval



Just under 60 horses bleeding from the nose. Is this really what we want in the current environment, where PETA is watching for any photo opportunity to spread across social media?