

Green Lipped Mussels For Treatment of Equine Inflammation

The use of *Perna canaliculus* has been established since the early 1970's as a supplement to maintain joint mobility in arthritic people. In parallel, products derived from NZ Green Lipped Mussels (GLM) were used in animals. In both cases there was mixed success and variability. This was eventually attributed to inconsistent production methods which relied upon heat treatment to process the mussels. Subsequently, further investigation identified omega-3 series PUFAs including EPA, DHA and newly characterized range of Polyunsaturated Fatty Acids described as *Eicosatetraenoic Acids (ETAs)*. These Omega-3 series Eats are heat labile and sensitive to heat so a proprietary method of cold processing has enabled the development of the MOXXOR product with Omega-3 series Eats.

The anti-inflammatory potency of ETAs and GLM containing ETAs has been independently demonstrated. They act as anti-metabolites of Arachidonic Acid metabolism and are potent inhibitors of Cyclo-oxygenase 2 and the Lipoxygenase pathways.

Clinically, the efficacy of green lip mussel products has been demonstrated in veterinary use. In a trial I was involved with an overall 77% percent response within 4 weeks was in-line with previous reports in both medical and veterinary clinical reports.

Although this was an open study, the magnitude and range of horses and owner/managers contributing to the results indicate that the efficacy is substantial. Significant improvements in lameness were demonstrated and reported by the comments of the owners. Substantial improvements in the Quality of Life of these animals and the satisfaction of ownership were apparent. 77% of horses in 64 locations overall responded positively to a MOXXOR beta test product.

Arthritis Cases

Horses with a confirmed diagnosis of joint arthritis responded very well confirming similar results in medical studies. 80% of horses improving condition in 4 weeks and to such an extent that their ability to perform some degree of work substantially improves. Joint inflammation is typically mediated via both the Cyclo-oxygenase and Lipoxygenase pathways and providing Lyproflex with potent Anti-inflammatory action.

Concomitant Products

Perhaps the most intriguing results are the improvements produced when used with horses already using products such as Bute or nutritional supplements. Owners reported subsequently that they are able to reduce the dosage of Bute and other supplements once stabilized by green lip mussel products.

I recommend the contents of two capsules per day as a dose as horses seem to very sensitive to MOXXOR and do not require a weight related dose.

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