

### Ester-C® Calcium Ascorbate Eases Lameness in Horses

by Judy Sinner, Gold Director, WA

A clinical trial by Dr. N. Lee Newman, D.V.M., has shown that oral administration of patented Ester-C® calcium ascorbate provides symptomatic relief of pain and lameness associated with degenerative joint disorders in horses. Ninety percent (90%) of horses treated with Ester-C® for moderate to severe cases of ringbone, bone spavin and other joint disorders showed good to excellent responses.

Ascorbic acid, or Vitamin C, has been reported to alleviate symptoms of pain and stiffness in humans, and in dogs with arthritic and degenerative joint problems. Now, results of the first year of studies in horses show that an improved, patented form of Vitamin C may help return horses suffering from degenerative or traumatic joint disorders to riding soundness.

Pure ascorbic acid is rapidly removed from the body, often before it has time to reach joints and other tissues. A patented combination of ascorbate with certain minerals, Ester-C®, is absorbed in the body up to four times more efficiently than conventional Vitamin C, and its metabolism at the cellular level produces higher levels of ascorbate.

Horses with moderate to severe degenerative joint disorders were given Ester-C® powder mixed in their daily feed. Within a short period of time, 9 out of 10 (90%) horses showed remarkable improvement in soundness and pain relief. Horses which had been unrideable for periods of up to two years because of joint disease became sound enough to return to regular under-saddle use, and horses which were so severely affected as to warrant consideration of humane euthanasia were relieved of pain and returned to a more normal life.

Traditional therapy for degenerative joint disorders in horses has only a low success rate, with many horses becoming progressively worse despite treatment. Non-traditional treatments such as acupuncture, laser or magnetic therapy have no better success rate. Ester-C® has shown a 90% improvement rate in seriously lame horses, with no adverse reactions or side effects.

Cindy Hall credits Ester-C® with saving the life of her Morgan, Mischief.



*"Before Ester-C® Mischief was in so much pain and misery, I planned to have him put down. He hated life, and turned vicious toward anyone approaching him to the extent he had to wear a muzzle in the stable, and could barely hobble around. Today, he is a different horse. He runs and plays in pasture, is affectionate and friendly, and is even being ridden again. This 'gold dust' has given me back my horse."*

New Yorker was a promising show horse when he became lame from poor shoeing and developed an enlargement of his right front sidebone to the point it pressed on the joints. Two years of rest and corrective trimming failed to alleviate New Yorker's pain enough that he could be ridden without large doses of phenylbutazone ("Bute"). Within just a few weeks of being on Ester-C®, New Yorker was being ridden without his dose of "Bute", and after six months is now sound and able to be shown without any medication at all. He has a promising future as a junior hunter-dressage mount.

Stardust and Quizkid were both victims of traumatic falls, with severe injuries to joints. Leo's hocks gave in because of his poor conformation. Cherry Queen became severely lame from ringbone, Sheba suffered acute laminitis, and Ethel has cysts in her hock bones. All have improved in soundness and pain relief on Ester-C®. Even those horses on pain medications when Ester-C® was started have been able to discontinue their use, and continue to improve on Ester-C® alone.

Ester-C® is a promising new treatment for joint lameness of horses. While research goes on to further identify its uses and effects, there are nine horses out there today who are running with less pain and stiffness because of this nutritional supplement.

Contact N. Lee Newman, D.V.M., for further information on her clinical trials,  
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From: *Animal Nutrition*, Spring 1993, Vol. 18

Additional notes: Up to 9 teaspoons a day of Ester C® were used in the trials. Field results have shown that horses on **Dynamite®** or **Dynamite® Plus™** or **TNT™** show improvement on only 3 teaspoons of Ester C® daily. **Ester C®** is a major component of **Free and Easy™**, **Hiscorbadyne®** and **Super Stress™**.

\*Ester-C® is a registered trademark of Zila NutraCeuticals