

Advanced Cryotherapy for Equine Musculoskeletal Trauma

NEW!



**Improve Animal Comfort.
Speed Rehabilitation.
Increase Performance.**

✦ *Noninvasive* ✦

- ✦ **Pain Management**
- ✦ **Reduces Inflammation**
- ✦ **Evacuates Swelling and Hematomas**
- ✦ **Relaxes Muscles**



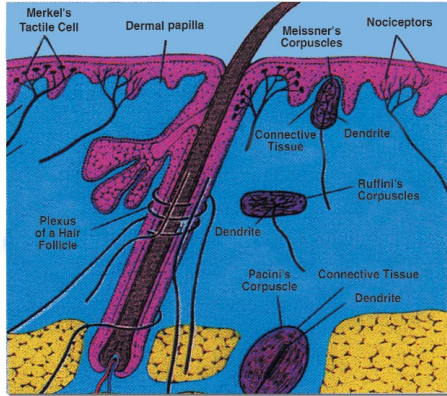
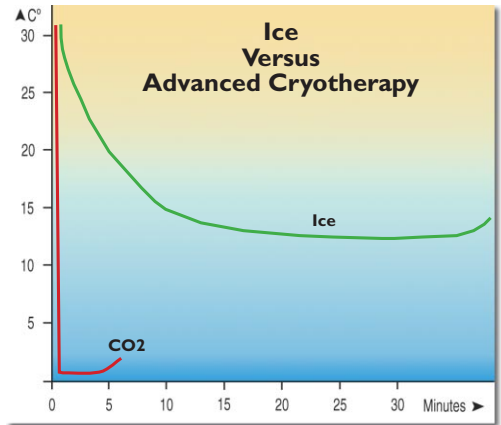
The Science of Advanced Cryotherapy

Advanced Cryotherapy from Cryonic Medical North America is based upon a patented, noninvasive, topical spray of medical grade carbon dioxide (CO₂) gas.

This innovation provides significant therapeutic benefits through the cooling of cutaneous tissues using very low temperature of -78°C, at very high speed, and under elevated cylinder pressure.

Advantages of medical grade CO₂ gas:

- PURITY - 99.9% pure
- DRY - Comfortable for the animal
- BACTERIOSTATIC - No micro organism growth during application



Through the rapid lowering of the skin temperature from approx. 32° to approx. 4°C in 45 to 60 seconds, the cutaneous sensory receptors are stimulated.

The sensory information is immediately relayed to the hypothalamus, which activates the autonomic system via reflex pathways. This activation constitutes the basis of treatment. Through regulation of local homeostasis and an enzymatic reaction, an immediate therapeutic response is produced which is beneficial for the animal.

ANALGESIC EFFECT

- ✦ Inhibition of nerve receptors within the skin in 45 to 60 seconds
- ✦ Immediate resolution of pain

ANTI-INFLAMMATORY EFFECT

- ✦ Suppression of the synthesis of the enzymes responsible for the inflammatory episode, which induces an increase in tissue permeability

VASOMOTOR EFFECT

- ✦ Intense drainage of the blood and lymphatic system due to the increased circulatory flow rate during the phase of deep vasodilatation and by re-equilibration of oncotic and hydrostatic pressures

MUSCLE RELAXANT EFFECT

- ✦ Relaxation of muscle fibers under the cumulative effect of very low temperatures, and high spray pressure



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