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Hwave

The H-WAVE is a unique electrotherapy machine which combines muscular and neurological stimulation. H-WAVE generates a signal that is revolutionary in electrotherapy - a bipolar exponential decaying waveform - which enables deep penetration.

Traditional equine electrotherapy has used either square or diamond waves. These are broken and can even at quite moderate intensity levels, be uncomfortable for the horse. The H-WAVE intermittent wave, on the other hand, is extremely comfortable when applied and it encounters very little dermal resistance and no appreciable muscle fatigue.

Two modes of action

The H-WAVE can be applied in two ways - using 2Hz or 60Hz impulses - through special pads placed over and near the injury.

2Hz Muscle Pump - The 2Hz 'therapeutic' mode creates visible muscular contractions which increase the flow of oxygenated blood and stimulate lymphatic drainage through an injury site. The dramatic increase in blood and lymph flow accelerates the removal of pain producing chemicals and toxins which build up around an injury - thus reducing pain. The lymphatic system can then operate more efficiently which in turn assists the removal of oedema and stimulation of the healing process.

The H-WAVE moves all muscle groups comfortably and with no muscle fatigue to the animal being treated.

60Hz Analgesia - The 60Hz pain relief mode produces a different therapeutic effect - that of deep analgesia. This is achieved by shutting down the transmission of pain signals and is also believed to stimulate the production of the horses own pain-producing chemicals, endorphins and encephalins. In acutely painful conditions, H-WAVE on 60Hz may be applied to reduce the pain and thereby the 'vicious cycle of pain' before proceeding with the muscle pump. If discomfort persists after the muscle pump 60Hz can be used to improve equine comfort.

The H-WAVE High frequency treatment is very effective for the immediate relief of pain. But it is low frequency therapeutic mode which provides the effective long-term relief from any soft-tissue problem.

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