

Edema and Pain Reduction, K-Laser Therapy

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Problem

Patient non-weight bearing with distal forelimb edema, post exercise trauma while hunting. Marked pain in digits. Exam and radiographs showed no injury to bones or joints.

Patient

"Tess", Labrador, 3 yr, Fe, 73 lb

Treatment Technique

One treatment session with the K-Laser Small Animal Edema Program repeated twice. The Hz appropriate for pain relief (CW & 2 Hz) were applied to the digits in a scanning mode. The Hz appropriate for edema reduction (500, 2500 and 5000 Hz) were applied in a scanning mode working from proximal to distal over the edematous area.

Rationale

Pulsed laser energy at lower Hz reduces pain, at higher but moderate Hz reduces edema and swelling.

K - Laser Settings (905nm)

Small Animal Edema Program - 3 watts / 2 min / CW;
3 watts / .5 min / 2 Hz; 3 watts / .5 min / 500 Hz;
3 watts / .5 min / 2500 Hz; 3 watts / .5 min . 5000 Hz

Post-Treatment Results -

Patient weight bearing immediately, edema resolving.

Pre and Post-Treatment Measurements -

Carpus – 5 cm pre; 4 cm 1 hour post.
Metacarpus – 4 cm pre; 3.25 cm 1 hour post.



Fig. 1 Before treatment



Fig. 2: Pre and post treatment measurements were made of the affected forelimb



Fig. 3: After treatment

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