

## **MICROLIGHT 830 VETERINARY LASER THERAPY TREATMENT PROTOCOLS**

PLEASE NOTE THAT ALL 6 JOULE PROTOCOL NOTATIONS ARE DONE BY APPLYING 3 JOULES AND THEN ROTATING THE LASER BY SO THE DIODES ARE MOVED INTO THE AREAS THAT HAVE NOT BEEN TREATED DIRECTLY. THIS IS DONE BY ROTATING THE LASER HALF THE DISTANCE BETWEEN APETURES AND THEN REPEATING THE TREATMENT BY APPLYING AN ADDITIONAL 3 JOULES.

### **ANTERIOR CRUCIATE LIGAMENT INJURY**

6 JOULES APPLIED OVERLAPPING BY HALF THE RADIUS OF THE LASER HEAD

Start at caudal stifle just 2 inches proximal to stifle and moving distally till 2 inches below. Continue treatment at 45 degree angle to caudal stifle and then at 90 degree angle and moving forward to 45 degree angle to cranial stifle and then directly over patella ligament.

Treat as directed above on days 1, 3, 7 & 14 and use as needed every 7-14 days depending on condition.

### **AURAL HEMTOMA**

**3 Joules** applied to entire area of ventral and dorsal pinnae.

Start at center and work your way outwards over entire ventral pinnae overlapping laser head by 1/3 its radius. Repeat this to dorsal aspect of pinnae and this time start at outer edge of ear and work your way in as your repeat the same pattern.

Treat once post surgery or post draining (see below)

NOTE: I have had improved success and avoided surgery by draining some hematomas with the dog awake or slightly sedated . Once drained I apply 0.5-1mls of vetalog 2ml/ml along with 0.1-0.25mls of Marcaine %. I administer laser therapy as described above and I still bandage these ears back with ventral pinnae over top of head and tape down for 21 days.

## **DECLAW PROCEURE\* or DEWCLAW REMOVAL**

**6 Joules** applied to cranial and palmar aspect of paw or directly to area of dewclaw.

**Treat day 1 only**

**\*Where allowed to be performed by state law**

## **DENTAL EXTRACTIONS (Biological dental therapy in our practice)**

**6 Joules** applied directly to extraction using the cone attachment.

**Treat on day 1 only**

## **HIP PAIN**

**12 Joules applied to each area. Note this entails applying 6 Joules with laser is same location for 1 full minute and then reapplying after rotation for an additional minute.**

## **LICK GRANULOMAS**

**6 Joules** applied directly over entire area of lesion and extending 1 cm into surrounding healthy tissue.

Treat on day 1, 3, 6, 9 while administering other topical or systemic therapies as case dictates

**\*We apply HEEL Traumeel gel or ointment topically prior to each treatment.**

## **LIPOMA**

**6 Joules** applied base of lipoma initially then directly over center and work outward till back at base of lipoma.

**Treat on day 1,4,8 & 14**

## **OTITIS EXTERNA**

**6 Joules** applied to dorsal pinnae, ventral pinnae and ear canal.

Start at dorsal aspect of dorsal pinnae at top of head and move in clockwise manner around external ear. Lift pinnae and apply to meatus part of external ear as applicable. Attach cone attachment to laer and apply direct into ear canal for **only 3 Joules**.

Treat on **day 1 and then at day 3, 5 or 7** depending on desired date of recheck .

### **POST OP INCISIONS**

**6 Joules** overlapping on incision just once post op.

### **SHOULDER STRAIN**

**6 Joules** applied to medial and lateral glenohumeral ligaments.

**Treat on day 1, 2 & 7.** Repeat as needed depending on condition and response.

