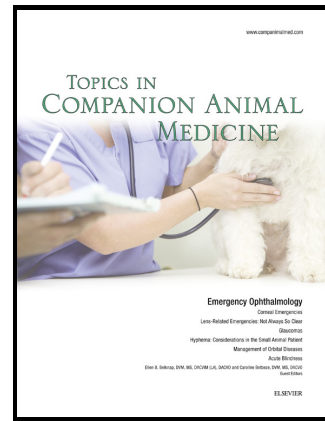


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**Evaluation of the effect of mesotherapy in the management of osteoarthritis related pain in a police working dog using the Canine Brief Pain Inventory**

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### SUMMARY

**Case Descripton:** A nine-year-old, 33.4kg (73.63lb) male entire drug detection Labrador Retriever Dog was presented with an history of constant lameness from the right thoracic limb, aggravated with exercise and work.

**Clinical Findings:** Clinical examination revealed mild signs of pain on the manipulation of the elbow joint, with reduced range of motion on the end feel of joint flexion and extension and crepitation. Radiographic examination of the right elbow joint revealed severe, chronic osteoarthritis, with osteophyte formation on the humeral epicondyles and articular margin of the distomedial humerus, with a narrowed joint space, and osteophytes on the proximal radius, proximomedial ulna and anconeal process.

**Treatment and Outcome:** A solution comprised of a combination of lidocaine, thiocolchicoside and piroxicam was prepared and applied around the right elbow joint. The animal was rested for three days and normal work load was introduced over a five-day period. The CPBI was completed by the trainer before treatment (T0), 14 days (T1), 1 (T2), 2 (T3), 3 (T4), 4 (T5), 5 (T6) and 6 (T7) months after treatment. Following the mesotherapy session, pain score results consistently declined until the three-month

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