

Canine Osteoarthritis Studies

This revised slide set was updated with more complete data as of 11/7/07 for the three canine osteoarthritis studies described in Training Module 2.

Canine Elbow OA – This data presented is through Day 90 for all animals. There is also extended data from four additional animals through Day 180. The next update to this data will show the completed data for all dogs through Day 180.

Canine Hip OA (blinded) – This data presented is through Day 90. This study is published in Veterinary Therapeutic 2007;8(4):272-284.

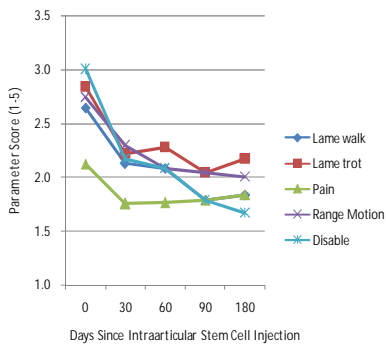
Canine Chronic Stifle OA – This data presented is for all nine dogs through Day 180. The next update will be for all dogs that complete the extended 365 day period.

Canine Elbow Osteoarthritis Study

- 180 Day Study
- Uni or Bilateral Elbow OA
- VSRC Intra-articular injection
- Vet and Owner assessments at pre, 30, 60, 90, 180
- 12 dog study (n=12 for all except 180 day point, n=4)



Elbow OA Pilot Study (n=12)

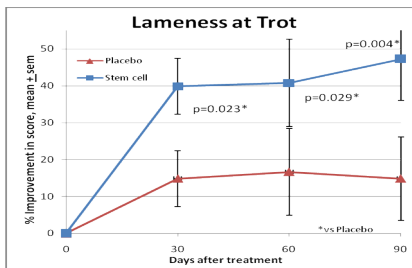


Canine Hip Joint Osteoarthritis Study

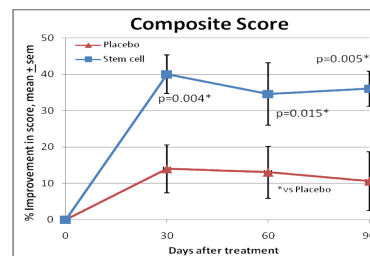
- 1) 180 Day Study – Blinded/Placebo
- 2) Bilateral Hip OA – 18 dogs
- 3) VSRC Intra-articular injection – 1X
- 4) Vet and Owner assessments at pre, 30, 60, 90 – then unblinded crossover for placebo dogs at day 90
- 5) 18 dog study (N=9 per group)



Canine Hip Joint Osteoarthritis Study



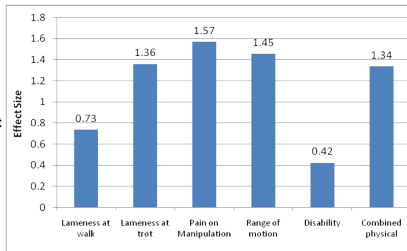
Canine Hip Joint Osteoarthritis Study



Composite Score: Lameness at walk
Lameness at trot
Pain on manipulation
Range of motion
Functional disability

Canine Hip Joint Osteoarthritis Study

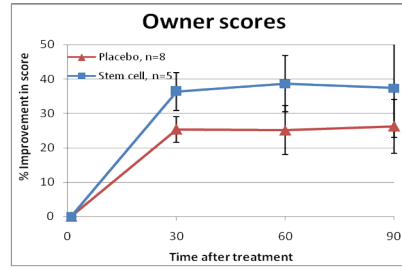
Hip OA Treatment Effect Size*



*Effect Size = (Treatment mean – Placebo mean) / StDev of Placebo
 "a unitless measure of treatment effect magnitude"
 (Gingrich and Strobel, *Vet Ther*, 2003)

Canine Hip Joint Osteoarthritis Study

Owner scores



Composite of scores from 13 parameters

Canine Chronic Knee Osteoarthritis

- 365 Day Pilot Study, 9 dogs
- Chronic Post-Surgical OA (>3 Mo)
- VSRC Intra-articular injection – 1X
- Vet and Owner assessments at pre, 30, 90, 180, 365
- 9 dog study



Chronic Knee - Post-surgical OA Pilot Study (n=9)

