ABSTRACTS

ISCFR 2012

July 26-29, Whistler, Canada

7th International Symposium on Canine and Feline Reproduction

In a joint meeting with

EVSSAR 2012

15th Congress of the European Veterinary Society for Small Animal Reproduction

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Deslorelin implant for urinary incontinence treatment in a neutered male dog, a case study

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OBJECTIVES AND METHODS:
To determine if urinary incontinence could be controlled in a neutered male dog with a long-acting GnRH Agonist. A 2 year old male Labrador Retriever was presented for long-standing urinary incontinence that was interfering with his quality of life. His lack of urinary control meant he could not be allowed free access to the owner’s home and interact with his family as they desired.

He showed first signs of a urinary tract infection at 4 months of age, prior to castration. Serial urinalyses done by the referring veterinarian documented pyuria, hematuria, triple phosphate crystalluria and cocci bacteria on multiple rechecks. He responded to courses of Clavamox®, Simplecef® and Orbax® with relapses as soon as the course of antibiotics was completed. His BUN, creatinine and urine protein creatinine ratios were within normal limits. The diagnostic workup done at the University consisted of a urinary tract ultrasound and culture of the urine. Neither showed signs of abnormalities. His penis and testes were normal on examination. Contrast studies were discussed but not completed. Initially his urinary incontinence was controlled with phenylpropanolamine at 50 mg bid, but slowly he redeveloped urinary incontinence. His incontinence was worst in the evening, when he was tired – he would often dribble approximately a 4 inch puddle of urine when he was lying down resting.

The following treatment regime was applied: phenylpropanolamine (25 mg at 6 AM and 50 mg at 6 PM PO) and repeated doses of 4.7 mg deslorelin SQ every six months.

RESULTS:
His urinary incontinence was completely controlled using this combination of phenylpropanolamine and deslorelin.

CONCLUSION:
Good clinical control of this male dog’s urinary incontinence was achieved using a combination of phenylpropanolamine and deslorelin implant.

Greer, Case Study: Deslorelin implant for urinary incontinence treatment in a neutered male dog.

(2) Reichler, IM. Deslorelin in Practice.7th EVSSAR Congress.Use of deslorelin to control urinary incontinence in the bitch.2010: 18-19.