Canine Uterine Disorders

The end of the reproductive career?

Dr Emmanuel Fontaine
Royal Canin Canada
FERTILITY
INFERTILITY
The story of Genoa Consulting for: VAGINAL DISCHARGE
OVHX = pus in the uterus
Reproduction in Domestic Animals

Contents

Pyometra is a reproductive disorder that affects dogs over 8 years of age in which physiological effects of progesterone on the endometrium play a major role. The traditional therapy for pyometra is ovariohysterectomy. The main advantage of ovariohysterectomy over medical management is that it is both curative and preventive for recurrence. However, surgery is associated with the risk of long-term complications. In the last 10 years, several medical treatments have been proposed to treat open cervical pyometra. The most effective treatment has proven minor side effects and seems to be the repeated use of aglepristone with or without additional treatment with low doses of prostaglandins.
Transcervical endoscopic catheterization technique (TECT) with uterine lavage to improve clinical outcomes of medically managed pyometra in the bitch: Case Studies

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Something I must tell you about: TECT, a weird acronym but a great breakthrough in canine reproduction

Posted by Emmanuel PRO Technical Service on August 20, 2014 at 6:30am  View Blog
Fertility after medical treatment of uterine diseases in the bitch: a retrospective study on 24 cases

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RESULTS

Data regarding the population are presented in Fig 2. Treatment of pyometra or CEH efficiency was 95.8% (23/24 bitches). Further pregnancy rate was 79.2% (19/24 bitches), and mean litter size was 4.5±3.6 puppies (from 1 to 11). Repartition of the litters according to their size was considered (Fig 3). Variations of the litter size according to the size, age and breeding management are presented in Fig 4. Pyometra recurred in 20.8% (5/24 bitches) during the following luteal phase: none of these five bitches was pregnant.
The story of GENOA

Medical Treatment: PGF2α + Aglepristone
NO the end of her reproductive career
The story of MAEVA

Consulting for: INFERTILITY
Cystic Endometrial Hyperplasia
MUCOMET = mucus in the uterus
Absolutely
The story of

What we did:

Uterine Biopsy

ENDOMETRITIS

Ovarian Biopsy
NSAI...
Use of a nonsteroidal anti-inflammatory drug after insemination in bitches with previous infertility or pregnancy loss: a retrospective study in 15 bitches

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Meleoxica was used in all cases except one (17) affected bitches, for a period of 5 days post Artificial Insemination.
Combination of intrauterine insemination and nonsteroidal anti-inflammatory drugs administration is efficient method of achieving pregnancies in normal and subfertile bitches. Wojciech Niżanski, Honorata Bodnar, Hanna Mila, Marta Gotowiecka. Department of Reproduction, Wroclaw University of Environmental and Life Sciences, Poland. wojtek.nizanski@gmail.com

Intrauterine insemination is an effective method of achieving pregnancies in normal and subfertile bitches. This technique is used to overcome subnormal semen quality in cases of subnormal semen quality. The response associated with this technique is reduced. Meleoxica, a nonsteroidal anti-inflammatory drug, was used to increase sperm mobility and improve post-insemination fertility in normal and subfertile bitches. The study was conducted in 2013-2015. The age of bitches varied from 2 to 7 years (mean = 4.8 ± 1.0). The bitches were divided into 2 groups. Group I (n = 40) consisted of normal bitches with a history of previous pregnancies and without any problems with conception and delivery. Group II (n = 40) consisted of subfertile bitches with a history of previous pregnancies and without any problems with conception and delivery. The study showed that the use of Meleoxica (2-4 days and 15-17 days post-ovulation) significantly increased the pregnancy rate in both groups. The overall pregnancy rate in Group I was 75%, while in Group II it was 60%. The use of Meleoxica improved the pregnancy rate in both groups, indicating its potential as a fertility enhancement tool for normal and subfertile bitches.
The story of MAEVA

Medical approach: *Meloxicam after AIs*
the end of her reproductive career
The end of her reproductive career
EMBRYO transfer
STEM CELLS

therapy
Effect of trace mineral supplementation on selected minerals, energy metabolites, oxidative stress, and immune parameters and its association with uterine diseases in dairy cattle.

Bicalho ML1, Lima FS1, Gandia EK1, Foditsch C1, Meira EB Jr1, Machado VS2, Teixeira AG1, Oikonomou G1, Gilbert RQ2, Bicalho RC2

Female dietary antioxidant intake and time to pregnancy among couples treated for unexplained infertility.

Ruder EH1, Hartman TJ2, Reindollar RH3, Goldman MB4

The influences of dietary intakes and supplementation with selenium and vitamin E on reproduction diseases and reproductive efficiency in cattle and sheep.

Hemingway RG
Thank you for your attention!

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