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Cases of true (Type 3) vaginal prolapse during the last stages of pregnancy

Osman Ergene, Isfendiyar Darbaz, Esra Canoglu, Çağrı Gültekin and Selim Aslan
Near East University, Northern Cyprus

Prolapsus vagina is a very rare disease in dogs during pregnancy. The definition of Type 3 prolapsus vagina can be explained as; complete protrusion of the entire circumference of the vaginal mucosa, often accompanied by exteriorization of the urethral orifice. Type 3 prolapsus vagina is often in conjunction with dilatation of urethral orifice. A mix-raced, 4 year old, Pointer dog (18 kg) was brought to NEU Animal Hospital with a prolapsed mass exiting from the vagina. The dog was 47-50 days into its gestation period. The mass appeared 1 day prior to being admitted to the Animal Hospital. A previous veterinary clinic did not diagnose a prolapsed mass and had applied vulva sewing. When the applied sewing was removed, the vagina came out and a green fluid discharge could be seen exiting the orificium uteri externa. The prolapsed vagina was 17 cm in length and 9 cm wide. The prolapsed mass was palpated cranially; the presence of a fetus and bladder was determined and confirmed by ultrasonographic examination. A portion of uterus was dilated towards prolapsed vagina. Laboratory results showed high white blood cell counts ($35.20 \times 10^9/L$) and levels of progesterone and estradiol 17β were 5.6 ng/ml and 23.5 pg/ml respectively. After determining that the fetus was dead a 'sectio caesarea radicalis' operation was performed. Firstly, the mass was reinserted and an ovariohysterectomy operation via the linea alba was performed. Four dead fetus, averaging 8×3.2 cm were detected. A portion of the prolapsed vagina had completely regressed during the post operative period. After three days the bladder was still slightly prolapsed (tennis ball-sized) and cystopexy and urethropexy operations were performed resulting in complete bladder regression. In conclusion, prolapsus vagina cases can be seen occasionally in dogs in the last third of pregnancy and a portion of the uterus and bladder were dilated as a result of the prolapsus vagina.

Biography

Osman Ergene has obtained his High School Diploma from Turk Maarif College and continued his study in Faculty of Veterinary Medicine at Ankara University. In 2009, he was awarded his Doctorate in the Department of Obstetrics and Gynecology from Faculty of Veterinary Medicine at Ankara University. He has joined Near East University as a Lecturer in Faculty of Veterinary Medicine. In 2010, he was awarded scholarship from European Union to study and make research at Bologna University in Italy. He was inducted as Assistant Professor at the same faculty in 2011.

ergene67@yahoo.com

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