

A Giant Parovarian Cyst in mesovarium of a dog

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Signalment. A 13-year-old female mixed breed dog was referred to Haemaru referral animal hospital for pyometra. Chief complaints were prolonged enlargement of vulva, abdominal distension, PUPD, and pollakiuria.

Results. Based on abdominal ultrasonography, a large hyperechoic fluid filled cyst was observed around the left ovary and uterine horn. The cyst was suspected of parovarian cyst and exploratory laparotomy was performed. During surgery, a tense smooth surfaced cystic mass measuring 20 x 10 x 15 cm was observed. Bilateral ovaries, cyst, and uterus were removed. Histopathological evaluation of the cyst revealed that there were no significant inflammatory cell infiltration, obvious neoplastic cells, and infectious organisms. The cyst was represented with parovarian cyst as a congenital abnormality in reproductive organ. Post operative course was uneventful.

Clinical relevance. Parovarian cysts are very uncommon adnexal cysts in dogs, which arise from the tissue of the mesovarium, predominantly from paramesonephric (Mullerian duct) and rarely mesonephric remnants. Parovarian cyst of such a huge size is a rare finding. Parovarian cysts are usually incidentally discovered during surgery and prophylactic excision could be usually performed due to the increased incidence of torsion, hemorrhage, rupture, secondary infection, and neoplastic transformation.

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