

# Pyovagina caused by pyometra and a persistent hymen in a 9-year-old bitch

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## Anamnesis

- 9-year-old intact Cavalier King Charles Spaniel bitch
- Normal cycles (2/year) reported
- Episode of purulent vaginal discharge 1 month earlier
- Lump in perineal region
- General symptoms and digestive disorders



## Reproductive Exam

**Blood:** Leukocytosis and hyperglobulinemia

**Vaginal Exam:** Palpation and speculum: Impossible to perform due to presence of lump

**Rectal Exam:** Mass easily palpable ventrally but cranial aspect can not be reached

**Ultrasound:**

- **Perineal lump:** anechogenic with cellular content, extending into the abdominal cavity
- **Uterus:** General dilatation (horns: 1.7cm – body: 3cm) filled with an anechogenic content

**FNA of mass:** Purulent content

## Diagnosis: Pyometra and Pyovagina



## Treatment: Ovariohysterectomy

- required aspiration of vaginal and uterine content through an incision at the tip of the right horn, as vaginal swelling interfered with routine surgical procedure
- following reduction of pyovagina, a vaginoscopic exam could be performed and revealed a persistent hymen that was perforated with a cotton swab



## Discussion

- Pyovagina with a persistent hymen is very uncommon in a 9-year-old intact bitch
- Blood discharge during proestrus phases of previous cycles and the recent purulent vulvar discharge indicate an -at least partially- perforated hymen
- For an unknown cause the hymen must have re-sealed after uterine contamination explaining a pyovagina that was bulging in the perineal area