



Pyometra

Diagnostic Plan

History
Physical examination
Vaginal cytologic study
Abdominal palpation
Rectal palpation
Blood work
Urinalysis
Urine culture
Abdominal x-rays

Therapeutic Plan

Fluid therapy
Surgery
Antibacterials
Prostaglandins

Nutritional Plan

Nutrition based on individual patient evaluation including body condition and other organ system involvement
Postsurgically, nutrition adequate for tissue repair

Pyometra

Your pet has a pyometra. Pyometra is an accumulation of pus in the uterus. It is a serious, sometimes fatal infection commonly seen in older dogs and less frequently in cats. Common clinical signs include excessive water consumption and urination, depression, and appetite loss. This client education sheet will help you learn more about pyometra and will review your veterinarian's instructions for your pet's care at home, as well as follow-up with the veterinary health care team.

What You Should Know About Pyometra

Pyometra usually occurs several weeks after a heat cycle. The infection begins as an abnormal increase in the number of glands in the uterus. The secretions of these glands provide an excellent environment for bacteria that enter the uterus from the vagina. Once the uterus is infected it can become filled with purulent material and progress to become a life threatening condition.

Causes

Most cases of pyometra develop spontaneously from the combined effects of estrogen and progesterone – hormones produced by an animal's ovaries – on the lining of uterus. In some way, these hormones stimulate an increase in the number of glands in the uterus. Injections of estrogen to prevent pregnancy have also been shown to cause pyometra. Also, progesterone used in therapy to treat other disorders may cause pyometra.

Diagnosis

Physical examination by your veterinarian often reveals an enlarged abdomen with or without a vaginal discharge. A swab of material from the vagina may contain white blood cells and bacteria when it is examined under a microscope. Blood tests, urinalysis, a urine culture for bacteria, x-rays of the abdomen, and ultrasound all provide useful information to help your veterinarian confirm the diagnosis.

Treatment and Home Care

Surgical removal of the ovaries and uterus (ovariohysterectomy) is the recommended treatment. Supportive therapy before, during, and after surgery is critical. Most patients with pyometra are very ill and require fluid therapy to help support kidney function. Antibiotics are often given as well.

Antibiotics and drugs call prostaglandins are sometimes used to treat mildly affected dogs whose owners want to use them for breeding. This therapy is not recommended for most animals because of the potential severity of pyometra and because pyometra may recur in medically treated animals.

Home care consists of giving medications as prescribed and monitoring your pet's appetite and water consumption. If your pet is depressed and refuses to eat, call your veterinarian. Excessive water consumption and urination should gradually decrease to normal.

Check your pet's incision at least once a day. If the incision is red and swollen, oozes blood, or begins to separate, call your veterinarian. Dogs should be kept on a leash for the first week after surgery to limit exercise. You may need to return to your veterinarian's office for suture removal and lab rechecks.

Nutritional Plan

Pyometra usually occurs in older animals and causes severe illness and impaired liver and kidney function. Even though your pet may recover from pyometra in a week or two, the lesions in the kidneys may take months to heal. Because of this, your veterinarian may give you special feeding instructions. Renal failure patients often benefit from foods with reduced amounts of phosphorus, sodium, and protein. These special foods help prevent an accumulation of waste materials in the blood and will reduce the workload on the kidneys.

Foods such as Hill's® Prescription Diet® Canine and Feline k/d® are formulated by veterinary nutritionists to reduce the demands on impaired kidneys. These foods contain high-quality protein, but in smaller amounts than in most pet foods, so the kidneys have less waste materials to eliminate. Because excess phosphorus can contribute to kidney disease, phosphorus is also reduced in these foods. Also, the reduced dietary sodium in these foods has been shown to maintain normal blood pressure. High blood pressure frequently occurs with kidney failure.

Transitioning Food

Unless recommended otherwise by your veterinarian, gradually introduce any new food over a seven-day period. Mix the new food with your pet's former food, gradually increasing its proportion until only the new food is fed.

If your pet is one of the few that doesn't readily accept a new food, try warming the canned food to body temperature, hand feeding for the first few days, or mixing the dry food with warm water (wait ten minutes before serving). However, do not add water to your cat's food. Feed only the recommended food. Do not feed additional salt or any snacks that may contain sodium. Be patient but firm with your pet. This is important because the success or failure of treatment depends to a large degree on strict adherence to the new food.

Presented as an educational service by



Home Care Instructions

Client's Name: _____

Patient's Name: _____

Medication(s): _____

Nutritional Recommendation: _____

Follow-Up Appointment: _____

(Hospital Stamp Area Above)

REGULAR VISITS WILL HELP OUR VETERINARY HEALTH CARE TEAM PROVIDE FOR YOUR PET'S BEST INTEREST.