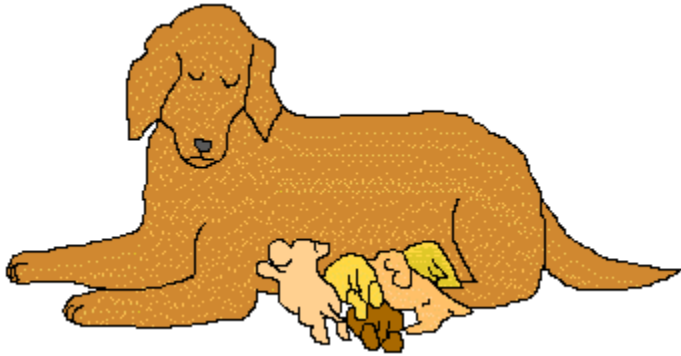


Birthing Puppies



Prenatal Care

Preparing for your dog's labor and puppy care can be both exciting and fun; still, awareness of potential problems is of paramount importance. It is a good idea to keep track of your dog's breeding date so as to know when to expect what.

After about 35 days of pregnancy, the mother's caloric requirements will begin to increase. In general, she should require about twice as much food as usual whereas, when she begins nursing, she will need three times as much food. The best nutritional plan is to buy a dog food approved for growth (i.e. puppy food) and feed according to the package; such diets are balanced and require no supplementation, plus they typically have the extra calories needed by the pregnant or nursing mother. Exercise of the pregnant bitch need not be restricted until after the first 4 to 6 weeks of pregnancy. Do not supplement calcium as this can cause metabolic imbalances; also, excess vitamins may be harmful to the puppies.

Sometime around the 45th day, your dog should be examined by a veterinarian. At this time, the skeletons of the unborn pups will have mineralized and are thus visible on a radiograph. Your dog's abdomen should be x-rayed so that you know how many pups to expect. Ultrasound may be used to confirm pregnancy much earlier (after 25 days, the embryonic heart may be seen beating) but it is more difficult to count the number of pups using this method. A general pregnancy blood test can be performed around day 35 just to confirm whether or not she is pregnant but neither this nor ultrasound will tell you how many puppies to expect; only radiographs can do that.

A comfortable area should be set aside for whelping and raising the puppies. The bitch should feel at home here and should be able to come and go as she likes while the puppies must remain confined.

It is important that the mother dog be isolated from all other dogs for 3 weeks prior to labor through 3 weeks after delivery to prevent herpes infection. Herpes is spread by sniffing and licking between two dogs. Adult dogs rarely have any symptoms but the newborn or unborn puppies generally die. For more details on this infection click [here](#).

A dog's gestation period is considered to be 63 days though this is not written in stone and a normal range might be 58 to 68 days.

Impending Labor

When your dog's due date is approaching, you should begin monitoring her rectal temperature. When her temperature drops below 100° F (normal canine temperature is 101-102° F), labor may be expected within 24 hours.

The First Stage of Labor

During this stage, uterine contractions begin. The bitch will appear restless and may pace, dig, shiver, pant, or even vomit. This is all normal and all an owner can do is see that she has water available should she want it. This stage of labor is long, lasting 6 to 12 hours and culminates with full dilation of the cervix in preparation to expel a puppy.

The Second and Third Stages of Labor

The second stage is the hard labor stage in which the puppy is expelled. The third stage refers to the expulsion of the placenta and afterbirth. Each pup may not be followed by afterbirth; the mother may pass two pups and then two placentas. This is normal.

Puppies are born covered in membranes that must be cleaned away or the pup will suffocate. The mother will bite and lick the membranes away. Allow her a minute or two after birth to do this; if she does not do it, then you must clean the pup for her. Simply remove the slippery covering and rub the puppy with a clean towel. The umbilical cord may be tied in a knot about one inch from the pup and cut with scissors on the far side of the knot. Be careful not to pull on the umbilical cord as this can injure the puppy. The mother may want to eat the placenta but this is probably not a good idea as vomiting it up later is common; it is best to clean away the placenta yourself.

Expect one pup every 45 to 60 minutes with 10 to 30 minutes of hard straining. It is normal for bitches to take a rest partway through delivery, and she may not strain at all for up to 4 hours between pups. If she is seen straining hard for over one hour or if she takes longer than a 4 hour break, a veterinarian should be consulted.

Expect some puppies (probably half of them) to be born tail first. This is not abnormal for dogs.

CALL YOUR VETERINARIAN IF:

- 30-60 minutes of strong contractions occur with no puppy being produced.
- More than 4 hours pass between pups and you know there are more inside.
- She fails to go into labor within 24 hours of her temperature drop.
- She is obviously in extreme pain.
- Greater than 70 days of gestation have passed.

It is normal for the bitch to spike a fever in the 24 to 48 hours following birth. This fever should not be accompanied by clinical signs of illness.

Normal vaginal discharge after parturition should be odorless and may be green, dark red-brown or bloody and may persist in small amounts for up to 8 weeks.

Problems to Watch for...

Metritis (Inflammation of the Uterus)

Signs of this condition are as follows:

- fever
- foul-smelling vaginal discharge
- listlessness
- loss of appetite
- no interest in the puppies
- decreased milk production

If these signs are noted, usually in the first day or two postpartum, a veterinarian should be consulted. Your dog may have retained a placenta or have suffered some trauma during delivery. Animals who required assistance with delivery are often predisposed to metritis. She will likely need to be spayed.

Eclampsia

This condition results when the bitch has trouble supporting the calcium demand of lactation. Calcium supplementation predisposes a bitch to this condition. Usually affected animals are small dogs. They demonstrate:

- nervousness and restlessness
- no interest in the pups
- stiff, painful gait

This progresses to:

- muscle spasms
- inability to stand
- fever
- seizures

This condition generally occurs in the first three weeks of lactation and a veterinarian should be consulted immediately.

Mastitis (Inflammation of the Breasts)

Normal nursing glands are soft and enlarged. Diseased glands are red, hard, and painful. In general, the bitch does not act sick; the disease is confined to the mammary tissue. The bitch may be sore and discourage the pups from nursing; however, it is important to keep the pups nursing the affected glands. This is not harmful to the puppies and it helps flush out the infected material. Hot packing may be helpful.

Most dogs are excellent mothers and problems are few. The basic rule is to seek veterinary care if she seems to feel sick or if she ceases to care for her young. Puppies nurse until they are about 6 weeks old and then may be fully separated from their mother. A good age for adoption to a new home is 8 weeks or later.