

Canine Spay & Neuter Services



When your dog is booked in for his/her surgical procedure it can be a very anxious time for you, but here at Manzini we strive to ensure every aspect of your pet's journey is safe.

You and your dog will arrive at 8:00 to 8:15 am; you will be met by the reception team. You will be asked about choices; additional options (give yourself at least 15-20 minutes that morning). Remember to send someone who can make choices or have the forms already filled out. Make sure you know whether your dog has eaten or is currently well or specific things you want us to check while your animal is under anesthetic. There are 3 options for surgical management of your pet. Option 1, 2 and 3 all include intravenous catheter and fluids, a tattoo in the right ear, post-surgical laser therapy, 3 days of post-surgical pain medication and cone. As an added measure of safety option 2 includes preanesthetic blood work and option 3 includes preanesthetic bloodwork and clotting factors.

STEP BY STEP PROTOCOL

When your dog leaves you they are weighed, a full pre-anesthetic exam is conducted by one of our doctors. Depending on which option you choose (1, 2 or 3). If you have chosen to add to the safety of the surgery by opting for pre-anesthetic bloods (option 2) and clotting factors (option 3), they will be performed prior to your dog's sedation (these tests can be done up to 1 week prior to surgery).

An anesthetic protocol is chosen for your dog depending on size, age, physical exam, and blood work. After relaxing with sedation, an intravenous catheter is placed and intravenous fluids are started (the fluid type depends on your dog's health and age). These fluids will help your dog keep their blood pressure normal and flush the anesthetic out of their system. An induction agent is given to your dog through the catheter to anesthetize your dog and an endotracheal tube is placed to keep their airway open and your dog is placed on a mixture of gas anesthetic and oxygen.

Now your dog is fully anesthetized, they are connected to a comprehensive monitoring machine which monitors heart rate, respiration rate, blood pressure, oxygen levels, ECG, and temperature. The technicians clip nails, prep the surgery area, place local anesthetic in the incision area and place an identification tattoo in the right ear while our doctor scrubs, gowns and gloves up. If you have chosen to microchip your dog it is placed now.

THE SURGERY

Sterilized equipment and drapes are readied and placed over the area for incision. Your dog is monitored throughout the procedure with monitoring equipment and a personal technician. Each surgery is closed using suture that is absorbed by the body, there are no external sutures. After surgery, laser therapy is performed on the incision and surrounding areas to reduce pain, swelling and reduce healing time. Once your dog is off anesthetic they are given 2 pain injections; onsiar, a pain killer and anti-inflammatory that lasts 24 hours and vetergesic, a morphine like drug that lasts 6-8 hours. A technician monitors each animal until the tube is removed and they are comfortable and kept warm with their heating bags.

All dogs are sent home with 3 more days of onsiar and a buster collar to prevent licking. Your animal has been in very good hands, but now you have the hard job of keeping your dog quiet and rested so he/she can heal properly. 10-14 days of rest and relaxation is appropriate for healing. Too much movement, licking or getting the incision dirty could lead to inflammation and infection, prolonging healing and leading to further surgery in extreme situations.

Always, at all times if you are unsure please do not hesitate to call our staff for advice.

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At Manzini we believe in choice and informed decisions. There are three options for your dog's care during their surgery. These are differentiated by choices for preanesthetic blood testing and clotting factors.

Options 1, 2 and 3 all include the following:

- Spay or neuter
- IV catheter
- IV fluids
- Post surgical laser therapy
- 3 days of post surgical pain medications
- Tattoo
- Cone for their size

Option 2 also includes:

- Prep profile (preanesthetic blood work)

Option 3 also includes:

- Prep profile and clotting factors

INTRAVENOUS FLUIDS

IV Fluids help to maintain your pets blood pressure and keep them hydrated while under anesthetic. Fluids aid in the recovery process and removal of anesthetic drugs from the body. This also gives us instant access to a vein, should any emergency drugs be required during anesthesia.

LASER THERAPY

Laser therapy is a non-medicinal method of pain relief, inflammation reduction and increased healing. Laser works based on the body's own ability to heal and increases that ability by up to 2/3's. There are no side effects.

PRE-ANESTHETIC BLOODS (PREP PROFILE)

This is an in-clinic blood test which assesses kidney and liver function to determine whether your pets organs can handle the anesthetic drugs. It also checks for any anemia or markers indicative of infection.

CLOTTING FACTORS

Clotting factors tell us whether your animal has prolonged or no clotting ability. This ability to clot allows your pet to handle surgery or injuries where there is the potential for blood loss. It is important to know whether your pet has the ability to clot properly; often these disease conditions go undiagnosed until it is too late.



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CERENIA

- ACCEPT**
- DECLINE**

Cerenia is used for anti-nausea and pain control. Anesthetic and medications can trigger nausea and lack of appetite. When surgery is performed there are pain receptors that are triggered and not easily blocked with other medications. Cerenia is best given just before surgery.

COST: \$22.98 - \$108.86 + TAX

MICROCHIP

- ACCEPT**
- DECLINE**

A small electronic chip is placed under the skin between the shoulder blades. The chip has a code which is unalterable, recognized worldwide, all shelters/vet clinics carry them and it compliments a tattoo (which may fade with time).

COST: \$68.21 + TAX

VACCINES

- ACCEPT**
- DECLINE**

Vaccination is important aspect of your pets health, protecting them against many contagious diseases, such as distemper, parvovirus, adenovirus, parainfluenza, and leptospirosis. Vaccination protects your dog and the entire community.

COST: \$52.92 + TAX

CANINE COUGH

- ACCEPT**
- DECLINE**

Vaccination for this contagious condition helps protect against severe complications, as well as the disease itself. This is such a contagious disease we recommend all dogs are vaccinated yearly, but most especially dogs that come into close contact with other dogs.

COST: \$35.28 + TAX

RABIES

- ACCEPT**
- DECLINE**

Rabies vaccination protects your dog and yourself. Rabies is a contagious condition that dogs can pass to their human loved ones. Rabies is not common but there has been positive bats found in the Port Alberni area.

COST: \$35.28 + TAX

FLEA CONTROL

- ACCEPT**
- DECLINE**

Port Alberni is a flea playground. We have the perfect environment for fleas to last all year long. Fleas are also a common cause of tapeworms.

COST: \$27.56 - \$64.28 + TAX

WORMER

- ACCEPT**
- DECLINE**

All puppies are born with worms and we are only able to eliminate those that are in the gut. Most parasites have multiple life cycles and we only kill a few of these. Other parasites are gained through life style i.e. hunting, fleas, access to feces, and access to raw meats. Parasite issues can go undiagnosed for years.

COST: \$14.41 - \$25.49 + TAX

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PREANESTHETIC BLOOD TESTING

Testing your pet's blood work adds a level of safety to any anesthetic procedure. There are several different types and levels of blood testing. For our young and seemingly healthy pet prior to a procedure we usually recommend a prep profile. The prep profile includes: a complete blood count, kidney values (BUN/CREA), some liver enzymes (ALT/ALP), blood glucose (GLU), as well as total protein (TP). These values indicate general health and some non-symptomatic diseases. If there have been any abnormalities in your pet's health, behavior, growth, etc. then a more complete panel is recommended. Pets 7 years of age and older who have not had recent blood testing are recommended to have a comprehensive blood panel and urinalysis prior to anesthetic. A comprehensive panel includes: complete blood panel, kidney enzymes (BUN/CREA/AMY), liver enzymes (ALT/ALP/TBIL), serum proteins (TP, ALB, GLOB), blood glucose (GLU), and electrolytes (Na/K/PHOS/Ca).

Blood work prior to anesthetic procedures allows our team to determine whether extra fluids are warranted and the kind of fluids we should utilize. Sometimes abnormalities in bloodwork warrant further investigation before an anesthetic or surgery are performed. Blood work earlier in life also gives us a baseline of what is normal for your pet. As your pet ages diseases such as early kidney malfunction, liver dysfunction, infections, and electrolyte abnormalities can be identified before they have progress beyond our ability to aid your pet.

Before elevations in the blood work appear, a urinalysis can alert us to problems with kidney health and other diseases such as diabetes.

ANTI-NAUSEA AND PAIN CONTROL

1. When your animal has an anesthetic some medications can trigger nausea in pets, cerenia combats this nausea. This means your pet will return to eating faster.
2. When your pet has a surgery involving opening the abdomen (Spay, stone removal, foreign body removal), surgery in this area can trigger pain receptors that are not easily blocked with other kinds of pain control.
3. It is best to be given before surgery and have the pain receptors and nausea blocked before they occur.

SHORT FACE SYNDROME (BRACHYCEPHALIC) WHAT AND WHY? ANESTHESIOLOGIST RECOMMENDED CARE!

1. Dogs with shorter noses and rounder heads – these dogs have problems with airflow. They have structures that interfere with the passage of air. Some have a more significant impairment than others.
2. These dogs tend to snort, wheeze, and snore.
3. During surgery their bodies are totally relaxed so the airway impairment intensifies, therefore they require extra personal care.
4. These dogs need oxygenation prior to anesthesia and much longer post oxygenation than other breeds.
5. They also often need a personal attendant for 30-60 minutes post-surgery to hold their airway open for them until they wake up sufficiently from anesthesia to breathe on their own.
6. When we anesthetize a pet we place a tube in their trachea to deliver oxygen. In these pets their airway narrowing means we have to push on structures that stimulate the nervous system to release acid in the stomach. This acid reduces appetite post surgery but can also cause damage to the stomach, esophagus, and intestines. We give all animals with this syndrome cerenia prior to anesthetic which prevent this process from occurring.