



## Canine Spay and Neuter Services At Manzini Animal Hospital

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 pets journey is safe.

You and your dog will arrive at 8:15 to 8:30 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



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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; onsior, a pain killer and anti-inflammatory that last 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 onsior 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 and a Cone for their size.

**Option 2** also includes: Prep Profile (Preanesthetic Blood work).

**Option 3** includes a Prep Profile and Clotting Factors.

<b>INTRAVENOUS FLUIDS</b>	
	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.
<b>LASER THERAPY</b>	
	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.
<b>PRE-ANESTHETIC BLOODS (PREP PROFILE)</b>	
	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.
<b>CLOTTING FACTORS</b>	
	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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<b>MICROCHIP</b>		Cost
ACCEPT	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).	\$50.00 + TAX
DECLINED		
<b>VACCINES</b>		
ACCEPT	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.	\$42.00 + TAX
DECLINED		
<b>CANINE COUGH</b>		
ACCEPT	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.	\$ 31.00 + TAX
DECLINED		
<b>RABIES</b>		
ACCEPT	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.	\$31.00 + TAX
DECLINED		
<b>FLEA CONTROL</b>		
ACCEPT	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.	\$12.00 – 24.00 + TAX
DECLINED		
<b>WORMER</b>		
ACCEPT	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.	\$8.00 – 40.00 + TAX
DECLINED		



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**CANINE SURGERY RELEASE FORM**

**Manzini Animal Hospital Ltd. (250) 724-4444**

Owner: <first-name> <last-name>

Address: <address>, <city>, <phone>

Patient: <animal>

Description: <breed>, <sex-name>, <age-name>, <color>

Date: <std-date>

Meds:            Wt:                    Fasted Yes / No                    TGH:

I, the undersigned, do hereby certify that I am the owner (or duly authorized agent for the owner) of the animal described above, that I do hereby give Manzini Animal Hospital Ltd., its doctors and staff full and complete authority to perform the surgical procedure described as: Canine Spay/Neuter

I understand that during the performance of this procedure(s) unforeseen conditions may be revealed that may necessitate an extension or variance in the procedure(s) set forth. I expect Manzini Animal Hospital to use reasonable care and judgment in performing the procedure(s). The nature of the procedure and risks involved have been explained to me, and I realize results cannot be guaranteed. I am also aware that unforeseen events resulting for the procedure(s) will not relieve me from any obligation to all reasonable costs incurred regarding this animal. All animals admitted are encouraged to be current on their vaccinations and free of external parasites. Any animal which are found to have fleas will be treated at the owner's expense.

**WAIVER:**

Our doctors use safe anesthetic and surgical protocols to minimize any risk to your pet. No anesthetic procedure, however, is completely without risk. Occasionally, pre-existing conditions not evident at the pre-anesthetic physical examination may exist. To avoid these problems, we recommend pre-anesthetic blood screening and intravenous fluids during surgery to maintain your pet's hydration and significantly minimize risk.

- o **Option 1:** Includes: Spay/Neuter, IV Catheter, IV Fluids, Post Surgical Laser Therapy, 3 days of Post Surgical Pain Medications, Tattoo, and Cone.
- o **Option 2:** Includes: Spay/Neuter, IV Catheter, IV Fluids, Prep Profile (Bloods), Post Surgical Laser Therapy, 3 days of Post Surgical Pain medications, Tattoo, and Cone.
- o **Option3:** Includes: Spay/Neuter, IV Catheter, IV Fluids, Prep Profile (Bloods), Clotting Factors, Post Surgical Laser Therapy, 3 days of Post Surgical Pain Medications, Tattoo and Cone

Signed

Contact number you can be reached at today -----



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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.



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