

## Session V: Neutersol – What Worked? What Didn't? What's Next?

Case Study: Outreach in the U.S. and Mexico

By Sean Hawkins

### Neutersol® - What Works? What Targets? What Next?

#### Nonsurgical Sterilization

Presentation By:  
Sean Hawkins, President



November 11, 2006

ACC&D Annual Conference

### Mass Delivery of Nonsurgical Sterilants



- “Fun” Community Event
- Parks, Fire Stations
- Easy to Promote
- Easy to Organize
- Volunteer Opportunities

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### **Attracts Previously Untapped Markets**

- **Dogs on Chains from Backyard**
- **People Afraid of Surgery for Animals**
- **Injection Versus Surgery**
- **No Anesthesia Required**
- **Event Delivered to Community**
- **Free or Reduced Cost**



### **Volunteer-Driven Events**



- **Creates Volunteer Opportunities**
- **Community Eager to Participate**

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### Neutersol® Events Are Portable



- No Special Equipment
- Electricity Not Even Required
- Can Sterilize 200 Dogs in One Day
- Surgery Would Require One Week with Same Medical Team
- “Weigh Station”

### Registration

- Clients “Check-In”
- Record Weight
- Obtain Medical History
- Create Medical Record
- Additional Services Such as Vaccinations



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### Administration Station



- Mild, Quick-Acting Sedation
- Guardian Stays with Animal
- Technicians Measure Testicular Size and Prepare Injections
- Veterinarian Injects Neutersol®

### Administration



- Veterinarian Administers Neutersol®
- Injections Not Painful
- Dogs Struggle Against Restraint
- Precise Technique Required

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### Permanent Identification Required

- **No Noticeable Difference in Testicle Size for Adult Dogs**
- **Juvenile Dog's Testicles May Atrophy**
- **Permanent Identification to Indicate Sterilization Required**
- **Ear Tattoo or Microchip**
- **Tattoo More Painful than Neutersol® Injections**



### Satisfied Customer



- **Little or No Recovery Time**
- **Multiple "Stations" Allow for Moving Clients and Patients Quickly Through Event**
- **Dog Kisses from Happy Patients a Bonus**

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### **Recovery Station**

- **Guardians Participate in Activity**
- **Monitor Animals 20 to 30 Minutes Post-Procedure**
- **Outdoor Temporary Kennel Set Up**
- **Animals Go Home with Guardians Same Day**
- **Few Complications**





## Position on Neutersol®

Co-authored by:

*Sean Hawkins, President and Founder*

*Dr. Gil Costas, Medical Director*

As with the introduction of any medical procedure resulting from technological advances, the use of Neutersol® has generated many questions both in the veterinary medical and animal welfare communities. Recognized for its innovative and 'best practice' approaches to ending dog and cat overpopulation, the veterinary medical and animal protection policy teams at SAVING ANIMALS ACROSS BORDERS have carefully reviewed the use and effects of Neutersol® and developed the following position.

Neutersol® is the first and only FDA approved injectable product for sterilizing male dogs, initially young dogs aged three to ten months. The Neutersol® solution is gently injected into each of the dogs two testes with a fine (28 gauge) needle and can be administered on an outpatient basis. Pain experienced by the puppy from the injection is minimal because of the fine needle that is used to administer the product and the absence of pain receptors inside the testicles. The procedure takes approximately five minutes and does not require the use of general anesthesia. Some patients may benefit from sedation prior to administration of Neutersol®.

Following administration of Neutersol®, sterilization is essentially 100% (99.6%) effective, permanent and irreversible. There are very few side effects to the use of Neutersol®; the puppy is able to walk and go home immediately after administration.

The utilization of non-surgical sterilants for neutering, such as Neutersol®, is supported by the American Humane Association, Humane Society of the United States, American Society for the Prevention of Cruelty to Animals, American Veterinary Medical Association, and PETsMART Charities.

SAVING ANIMALS ACROSS BORDERS has reviewed the clinical research and white papers on Neutersol® (which are available at [www.neutersol.com](http://www.neutersol.com)). We feel that we can offer the following opinions on the advantages to animals and the communities working to reduce animal populations through the use of Neutersol®:

- The injection of Neutersol® to sterilize animals does not require specialized surgical facilities, equipment or supplies.
- Increased operating efficiencies are achieved by utilizing Neutersol®. These include the reduction of veterinarian and staff time, reduction of drug and supply inventory required for traditional neutering procedures, and increasing the number of sterilizations performed.
- Utilization of Neutersol® eliminates the risks of anesthesia and post-surgical complications, reduces stress endured by dogs resulting from lengthened stays in the hospital required for traditional surgery, and minimizes required aftercare and therefore client compliance with post-surgical instructions.
- In cases where medical issues might make anesthesia and surgery contraindicated, administration of Neutersol® could be a means of sterilization.
- Utilization of Neutersol® reduces recovery time of that required for traditional surgery and increases the availability of dogs going home or being placed up for adoption.

Dogs who are sterilized with Neutersol® should be identified by a permanent tattoo or microchip. A Neutersol tag line can be added to all three microchip identification systems currently utilized in the United States.

The FDA has stated that as with surgical castration, secondary male characteristics such as roaming, marking, aggression, and mounting may be displayed in animals who have received Neutersol® injection.

In summary, SAVING ANIMALS ACROSS BORDERS endorses the use of Neutersol® injection as an effective, safe, and advantageous approach to our work in reducing pet overpopulation. We encourage the use of Neutersol® and the further development of additional chemical sterilants.

For more information on SAVING ANIMALS ACROSS BORDERS, go to [www.savinganimals.org](http://www.savinganimals.org).



## Neutersol Administration Protocol

This product is an intratesticular injectable chemical sterilant for use in male dogs.

### Contraindications:

Do not use Neutersol in dogs with:

- Undescended testicles (cryptorchid).
- Pre-existing scrotal irritation or dermatitis.
- A disease or malformation of the testicle.
- A history of allergic reaction to any of the components of the drug.
- Testicular width less than 10 mm or greater than 27 mm.

### Procedure:

1. Administer .25 mg/lb acepromazine subcutaneously and allow 20-30 minutes for the sedation to take full effect.
2. Clean the scrotal area with mild surgical soap. Do not shave or clip the scrotal area.
3. With the dog lying on his back, measure the width of each testicle at the widest point using the custom dosing caliper to determine proper dosing.
4. Using a separate 1 cc insulin syringe with 28 gauge ½ inch needle for each testicle, withdrawal the proper amount of Neutersol in each syringe.

**Table 1**  
**Dose Corresponding to Testicular Width**

Range of Testicular Width (mm)	Dose Administered (ml)
10-12	0.2
13-15	0.3
16-18	0.5
19-21	0.7
22-24	0.8
25-27	1.0

5. Hold the left testicle firmly in one hand (do not squeeze) and use the other hand to hold the syringe with the proper dose of Neutersol.
6. Pull the skin tightly over the testicle to avoid injecting into the scrotal sac or the scrotal skin.
7. Insert the needle into the dorsal cranial portion of the testis beside the caput (head) epididymis.
8. Inject slowly and do not use excessive injection pressure to force the drug into the testicle. If resistance is felt, discontinue and do not re-inject since the product can not be safely used in this dog.
9. Repeat the procedure in the remaining (right) testicle.
10. Identify the dog by tattooing the letter "N" inside the left ear.





P.O Box 130897  
 Houston, TX 77219  
 713.527.4490  
[www.savinganimals.org](http://www.savinganimals.org)

**Client Information: (You as the pet owner/guardian)**

Your Last Name: \_\_\_\_\_ Your First Name: \_\_\_\_\_

Your Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Home Phone: ( ) \_\_\_\_\_ - \_\_\_\_\_ Work Phone: ( ) \_\_\_\_\_ - \_\_\_\_\_

**Your Pets Information:**

Name: \_\_\_\_\_ Breed: \_\_\_\_\_ DOG

Color/Pattern: \_\_\_\_\_ Date of Birth: \_\_\_\_\_ Male

When did your pet last eat? Date: \_\_\_\_\_ Time: \_\_\_\_\_ AM PM

**Qualifications: \_\_\_\_\_**

**Consent for Sterilization**

I, being of legal age and responsible for the animal described above, have the authority to grant Spay-Neuter Assistance Program, Inc. (SAVING ANIMALS ACROSS BORDERS), and it's staff members, volunteers, or agents my consent to receive, transport, prescribe for, treat and/or administer injectable chemical sterilization or perform surgery upon the animal named above.

I understand that, although initial approval of the injectable sterilant was for male dogs from three to ten months of age, SAVING ANIMALS ACROSS BORDERS utilizes such product in dogs of all ages.

I understand that modern techniques and trained staff will be used to care for all animals, and reasonable precautions will be used against injury, escape, or destruction of the animal. It is thoroughly understood that SAVING ANIMALS ACROSS BORDERS, its staff, volunteers, and agents will not be held liable or responsible in any manner and I assume all risks.

If in the course of treatment a condition is discovered which requires medical attention or an additional procedure, such as the administration of IV fluids, the attending veterinarian may, in his/her absolute discretion, perform such a procedure. I consent to these procedures and agree to pay reasonable additional charges, if any.

I further understand that as long as, in the opinion of the attending veterinarian, the animal is an acceptable candidate, sterilization procedures will be performed regardless of the animal's medical condition. I understand that the attending veterinarian can refuse to perform any procedure on any animal for any reason. Such a refusal is at the sole discretion of the attending veterinarian.

I also understand that all the animals must be picked up from the clinic at the time designated by clinic staff on the same day as the sterilization procedure. If I do not claim the animal, I understand that after 24 hours the animal will be considered abandoned and the animal will be disposed of in accordance with policies established by SAVING ANIMALS ACROSS BORDERS. I understand that once any animal has been abandoned, I relinquish all ownership rights and I will be held responsible for any and all medical costs including boarding expenses.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

**Clinic Use Only:** Weight \_\_\_\_\_ Acepromazine \_\_\_\_\_ Ketamine \_\_\_\_\_ Valium \_\_\_\_\_ Telazol \_\_\_\_\_  
 Xylazine \_\_\_\_\_ Atropine \_\_\_\_\_ Polyflex \_\_\_\_\_ Ketapofen \_\_\_\_\_ Torbugesic \_\_\_\_\_ TKX \_\_\_\_\_  
 Rabies Vaccine \_\_\_\_\_ SQ \_\_\_\_\_ IM \_\_\_\_\_ SQ \_\_\_\_\_ IM \_\_\_\_\_ Tattoo \_\_\_\_\_

**RX:** Etogesic Torb Elixir \_\_\_\_\_ mg \_\_\_\_\_ x \_\_\_\_\_ Days # \_\_\_\_\_  
 \_\_\_\_\_ mg \_\_\_\_\_ x \_\_\_\_\_ Days# \_\_\_\_\_

**Notes:**

# HOOTERS®



## For Neuters

- Free Neuters for Male Dogs !
- Hooters Discounts !
- Give Aways and Prizes !

**Real Men Neuter  
their Best Friends!**

The SNAP Mobile Clinic  
will be at  
Hooters Restaurant  
4119 San Mateo Blvd., NE  
Saturday, August 7th

Dog check-in begins at 10 a.m.  
first-come, first-served - so arrive early!  
Dogs go home the same day.

This event is for male dogs only  
Dogs will be sterilized using Neutersol®  
- a safe & effective nonsurgical sterilization.

No surgery - just two injections!  
Please refrain from giving your dog  
food or water after 9 p.m. on Friday.

For information call 505.843.9138  
[www.snapus.org/hootersfornegers](http://www.snapus.org/hootersfornegers)



Stop The Cycle.