

6TH INTERNATIONAL SYMPOSIUM  
on Non-Surgical Contraceptive  
Methods of Pet Population Control



ACC & D

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# Intratesticular approaches: going forward

Drs. Bob Weedon (moderator), Linda Brent,  
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# Intratesticular Approaches: Going Forward

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# Outline of Today's Discussion

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9:20—9:30 Zeuterin: Status and Reflections: Bob Weedon

9:30—9:40 Calcium Chloride Background: Linda Brent

9:40—9:55 Refinement Through Research: Raffaella Leoci

9:55—10:10 Field Use of Calcium Chloride: Marcela Pineda

10:10—10:20 Going forward: A funder's perspective: Linda Brent

10:20—10:30 Questions

# Questions to Ponder:

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Do males matter?

Are intratesticular sterilants safe and effective?

Is behavior important, and do intratesticular sterilants affect it?

# The Evolution of Neutering

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zeuterin™

# ACC&D Resources

Information on Zeuterin,  
including a Product Profile  
and Position Paper



<http://www.acc-d.org/available-products/zeuterin-esterisol>

# New York Times

*December 2, 2013*

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“New Strides in  
Spaying and  
Neutering”





# Zinc Gluconate

Zinc gluconate used in a sterilization clinic in the Dominican Republic (2010)

Esterilsol™ in sterilization clinics





# Calcium Chloride

Calcium chloride is being researched as an intratesticular injectable sterilant for male dogs and cats.


While research on this chemical sterilant goes back to the 1970s, a majority of peer-reviewed and published data emerged in the past decade.

Information on Calcium Chloride available on the ACC&D website.

Products Under Development - Calcium Chloride



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## Realizing New Possibilities Through Non-surgical Solutions.

### Calcium Chloride

Calcium chloride is being researched as an intratesticular injectable sterilant for male dogs and cats. While research on this chemical sterilant goes back to the 1970s, a majority of peer-reviewed and published data emerged in the past decade. Recent research, field studies, and advocacy of calcium chloride as a sterilant can be credited largely to the [Petersen Foundation](#), [Steve Elger](#), and [Calcium Chloride Castration](#).

Controlled and field studies have taken place in the U.S., Italy, and India to gather more information on calcium chloride as a non-surgical sterilization option for male dogs and cats. The calcium chloride-based compound used for sterilization is not presently approved by any regulatory agency, and it is created through recombining ingredients. ACC&D believes that the current use of calcium chloride as an injectable sterilant is experimental.

In October 2014, two peer-reviewed research papers on calcium chloride were published in the open-access journal *Acta Veterinaria Scandinavica*. "Alcohol solvent provides the optimal formulation for calcium chloride non-surgical sterilization in dogs" can be accessed [here](#). "A dose-finding, long-term study on the use of calcium chloride in saline solution as a method of nonsurgical sterilization in dogs" can be accessed [here](#). Comprehensive reviews and information on calcium chloride can be accessed below.

Learn more about calcium chloride studies for male cats and dogs with these resources:

- [ACC&D statement and position on calcium chloride](#)
- [ACC&D survey of research on calcium chloride](#)
- [Contraception & Fertility Control in Dogs & Cats \(ACC&D e-book\)](#)

5th International Symposium (2013) presentations

- Calcium Chloride in male dogs and cats** \* Elaine Lissner  
[PowerPoint Slides](#) [Abstract](#) [Presentation with audio](#)
- Could your organization use Calcium Chloride? Nuts and Bolts** \* Elaine Lissner  
[PowerPoint Slides](#) [Abstract](#) [Presentation with Video](#) (begins at 37:53)
- Clinical evaluation of efficacy and safety of Calcium Chloride associated with ethyl alcohol and lidocaine for non-surgical sterilization of sexually mature canines and feline adults** \* Dr. Kulaadip Jana  
[PowerPoint Slides](#) [Abstract](#) [Presentation with Audio](#) [Session Q&A with Audio](#)
- Intratesticular injection of a calcium chloride tincture in the dog** \* Dr. Raffaella Leoni  
[Abstract](#)

4th International Symposium (2010) presentations

- History of Calcium Chloride injectable sterilization in male dogs and first report of use in cats** \* Dr. Kulaadip Jana  
[Poster](#) [Abstract](#)
- Pilot Study: Intratesticular Injection Induces Sterility in Male Cats** \* Dr. Alper Baran

<http://www.acc-d.org/available-products/calcium-chloride/> [7/18/2018 14:33:06]

# Wall Street Journal

*November 26, 2014*

## “Too Many Dogs: A Simple Solution”

Too Many Dogs: A Simple Solution for Sterilization - WSJ



ESSAY

### Too Many Dogs: A Simple Solution

A cheap, quick, relatively painless procedure could make a big dent in overpopulation. What's stopping it?



A cheap, quick, relatively painless procedure could make a big dent in canine overpopulation. What's stopping it?

**3 MONTHS FOR JUST \$1 ACT NOW**

# Calcium Chloride

Calcium Chloride castration of male dogs.

