

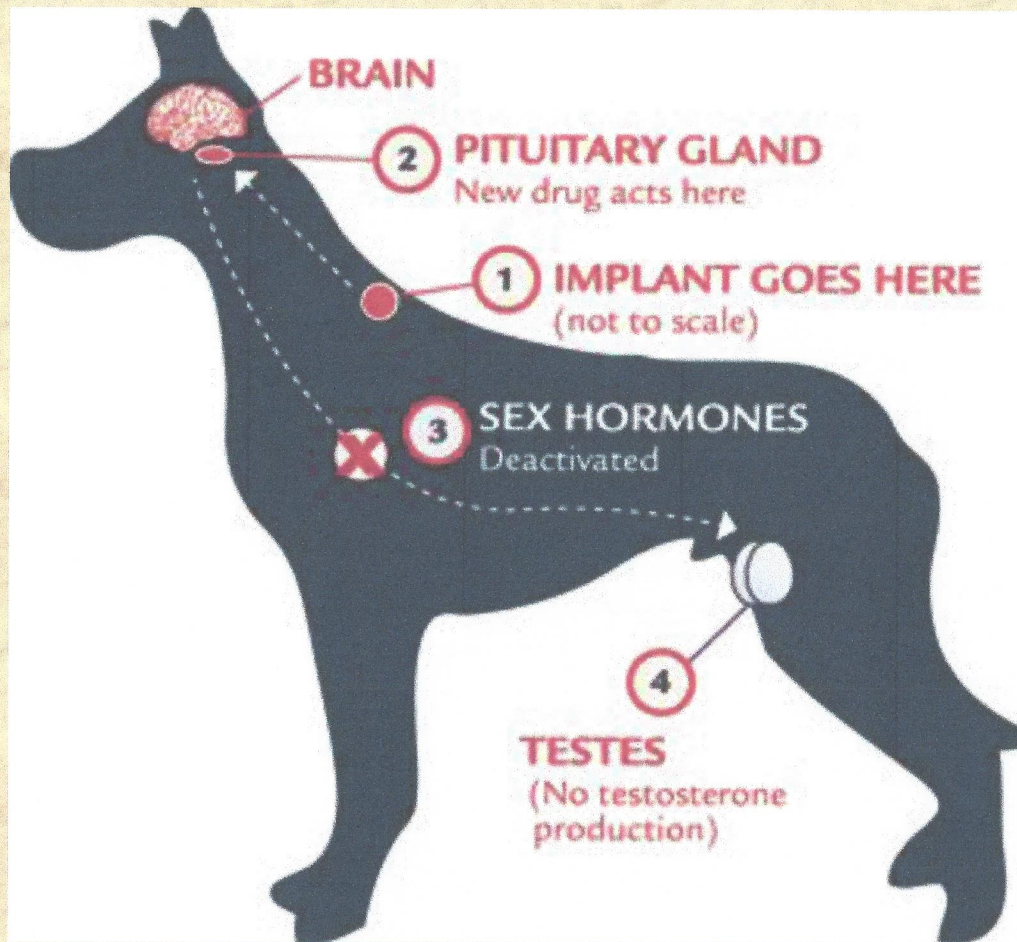
Female Non-surgical Options

- GnRH agonist Implant “Suprelorin”
 - NOT IN UNITED STATES...
 - Maybe soon?
 - Temporary contraceptive (6 mo-1 y?)



Female Non-surgical Options

- GnRH agonist Implant “Suprelorin”



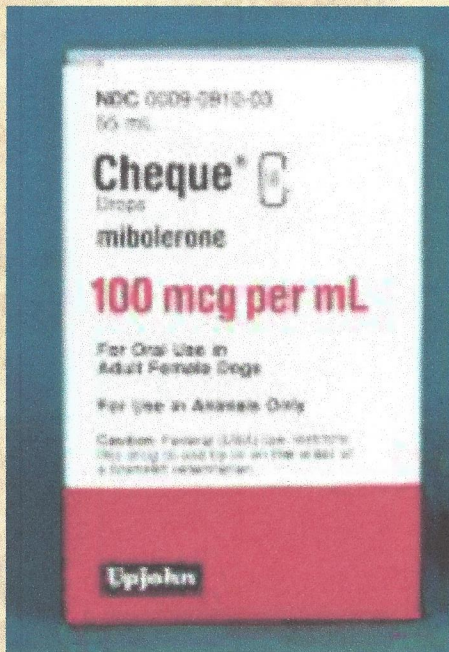
Female Non-surgical Options

- GnRH agonist Implant “Suprelorin”
 - Reduces hormone secretion/function
 - Considered “Reversible”
 - Equivalent in functionality to an OVH/OV



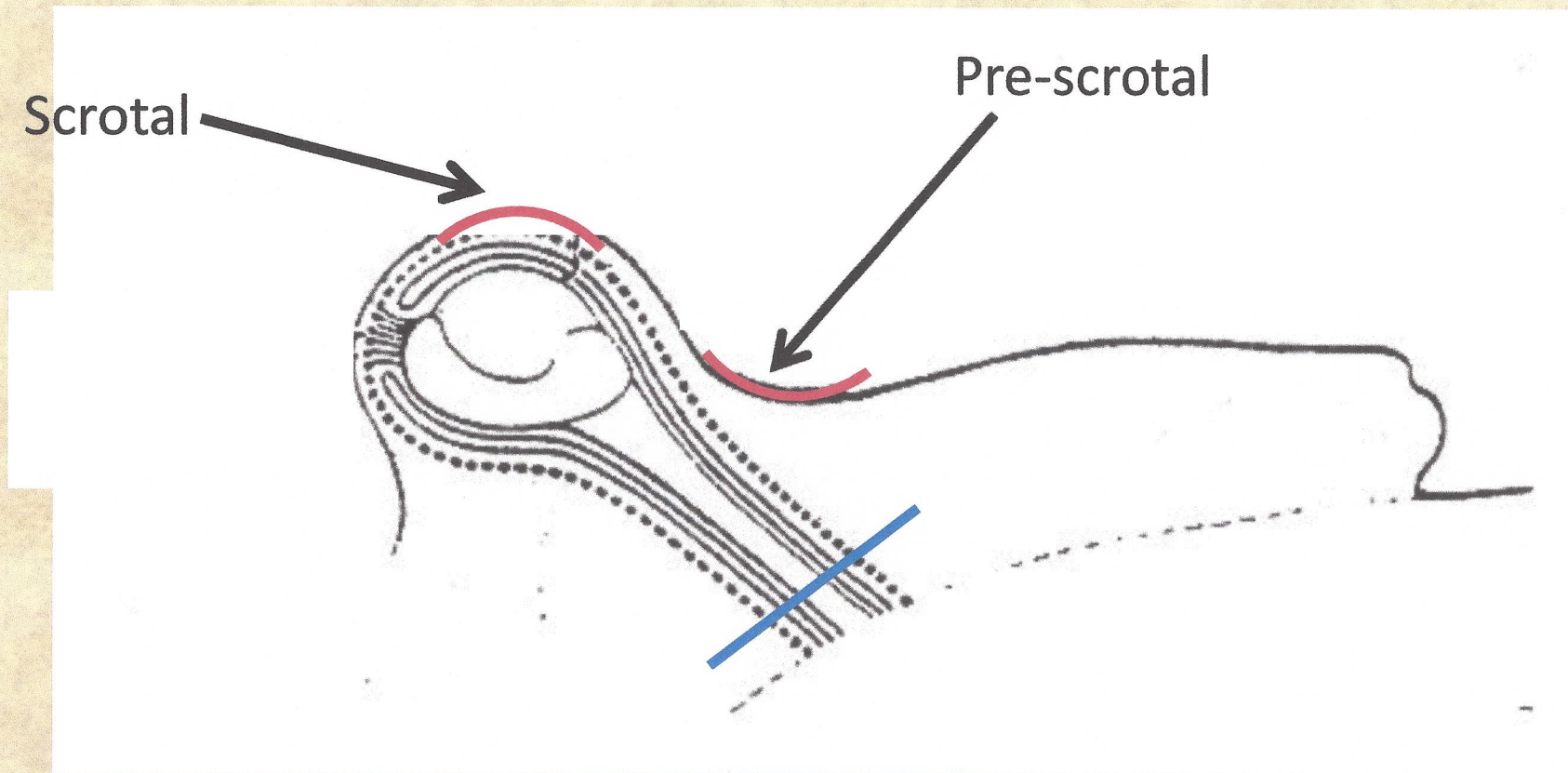
Female Non-surgical Options

- Mibolerone (“Cheque Drops”)
 - Used for temporarily keeping bitches out of heat
 - Oral liquid given daily



Male Surgical Options

- Traditional Castration

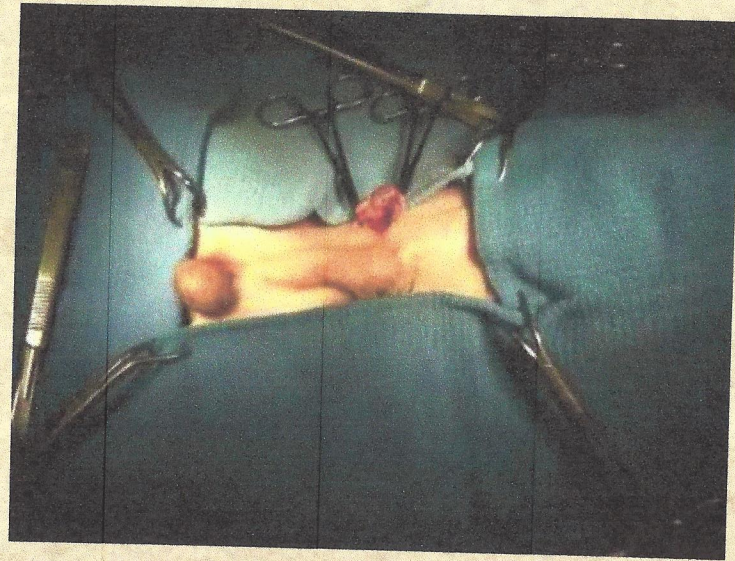


Male Surgical Options

- Traditional Castration
 - Scrotal castration
 - Incision made over the scrotum
 - Pre-scrotal castration
 - Incision made just in front of scrotum
 - Most common?
- Both of these alternatives are good

Male Surgical Options

- Traditional Castration
 - Removal of all testicular tissue
 - No more testosterone
 - Immediate solution for prostatic enlargement or intra-testicular mass



Male Surgical Options

- Hemicastration

- Not applicable for sterilization, but may be appropriate for:

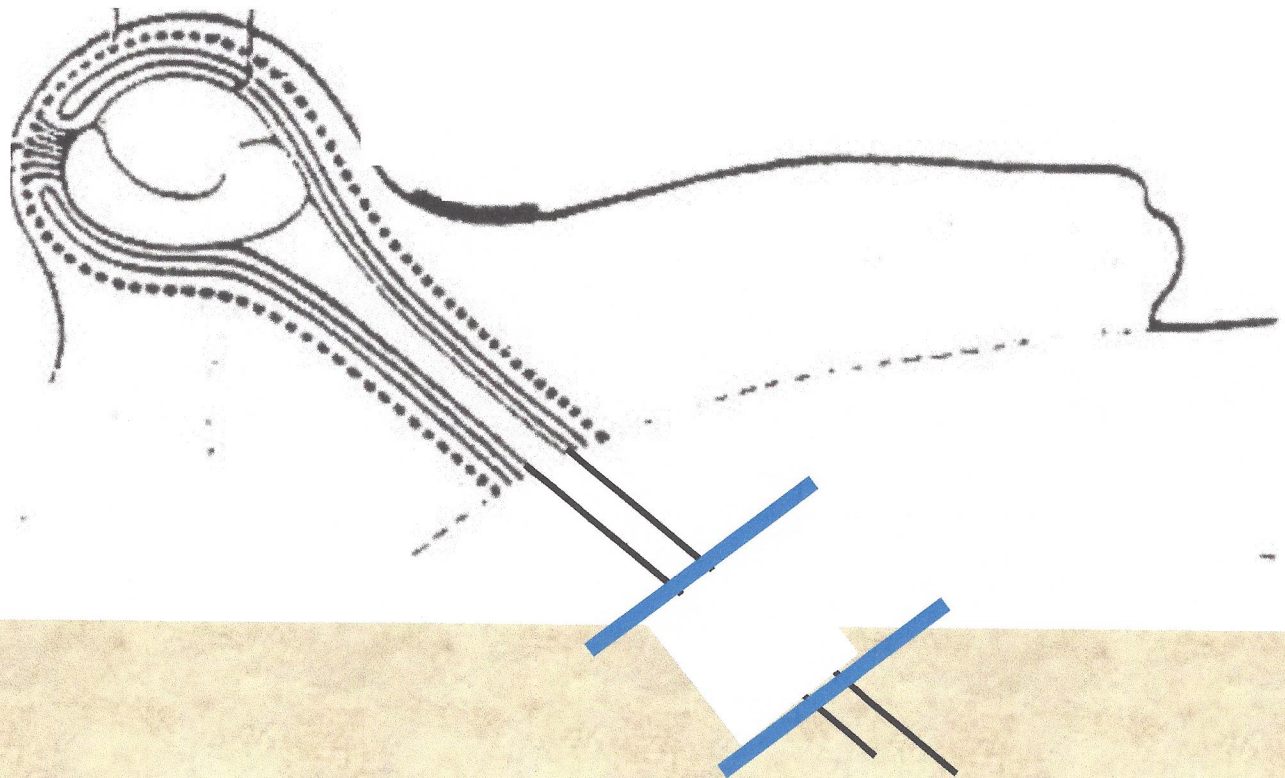
- Animals with testicular cancer
 - Testicular torsion
 - Testicular abscess

- Preserves the potential for future breeding

- Remaining testicle often is OK, and can recover!
 - Compensatory response?

Male Surgical Options

- Vasectomy



Male Surgical Options

- Vasectomy
 - Removal of a portion of the ductus deferens
 - Most all animals will no longer be able to ejaculate, and therefore are “sterilized”
 - SOME RECONNECT!
 - Failure can occur:
 - Sperm granuloma
 - Reanastomosis
 - A second surgery required? Prostate enlargement, testicular tumor

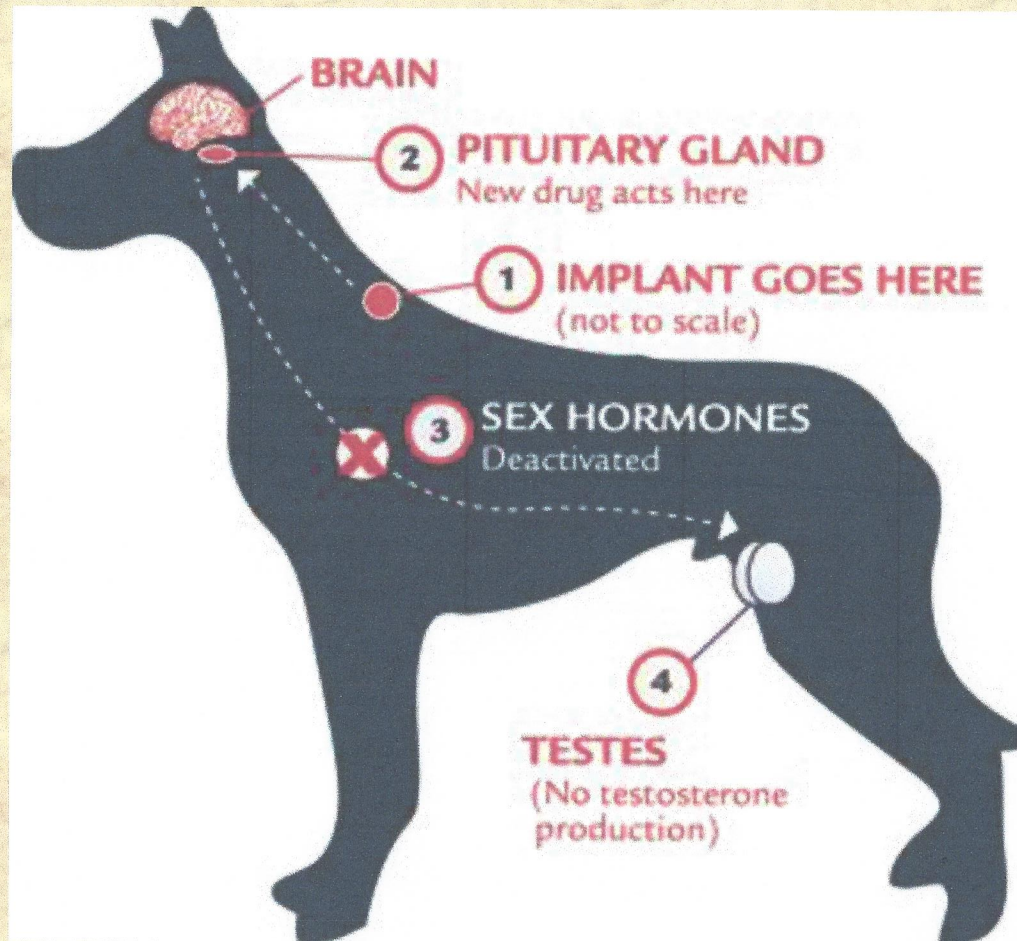
Male Non-Surgical Options

- GnRH analog injection
 - Remember? Also applies for boys!



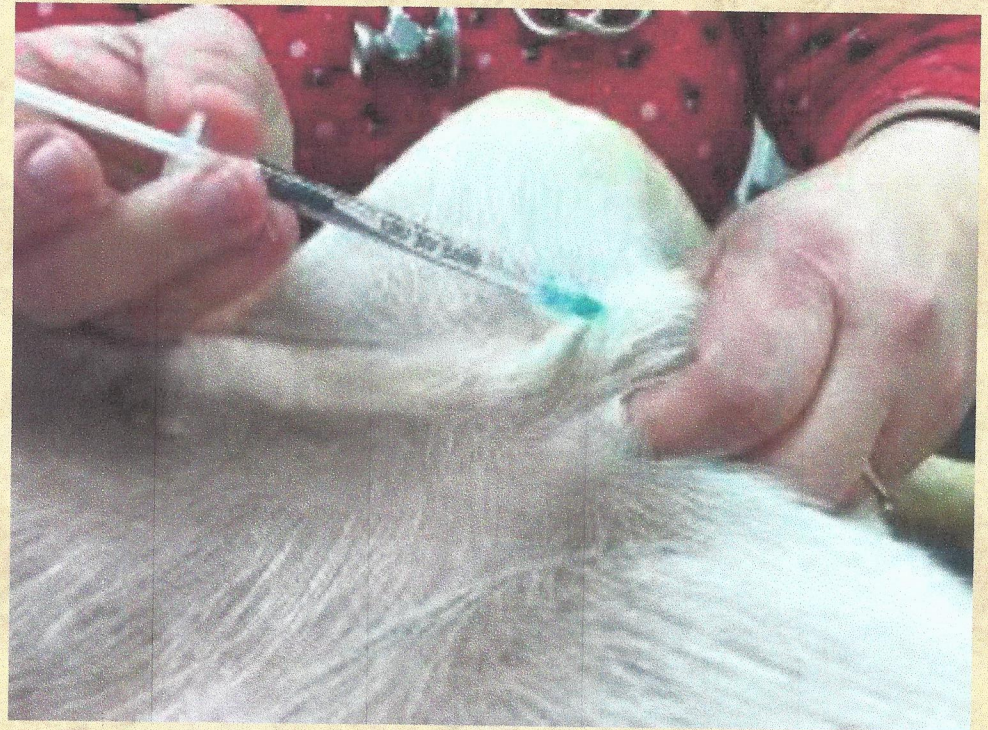
Male Non-Surgical Options

- GnRH analog injection



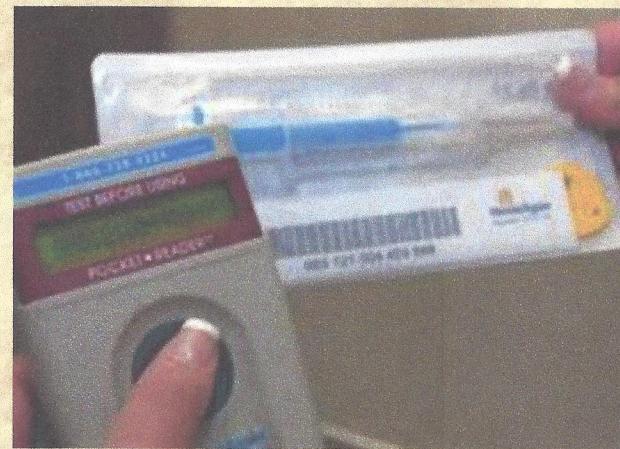
Male Non-Surgical Options

- Zeuterin
 - Intratesticular injection
 - Zinc
 - Approved for use, but not widely accepted



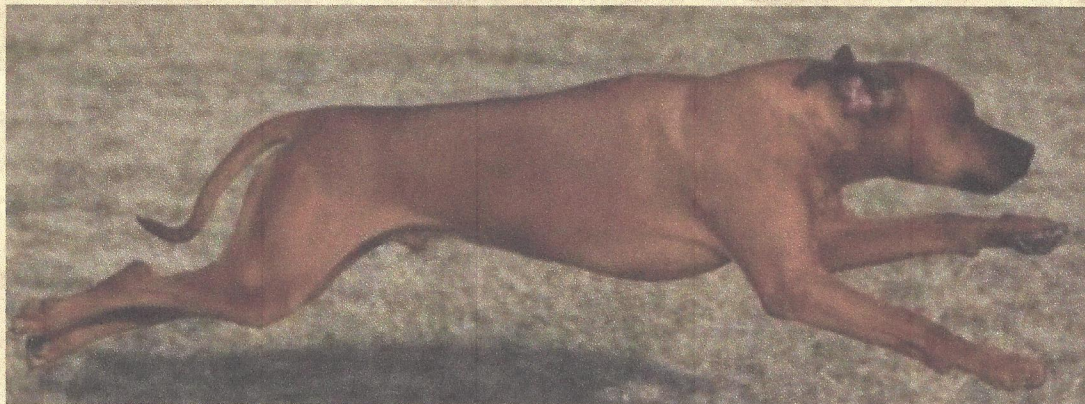
New Identification?

- With new procedures, we are still in need of a new way of identifying if procedures were performed!
 - Tattoo?
 - Microchip tagged with info?



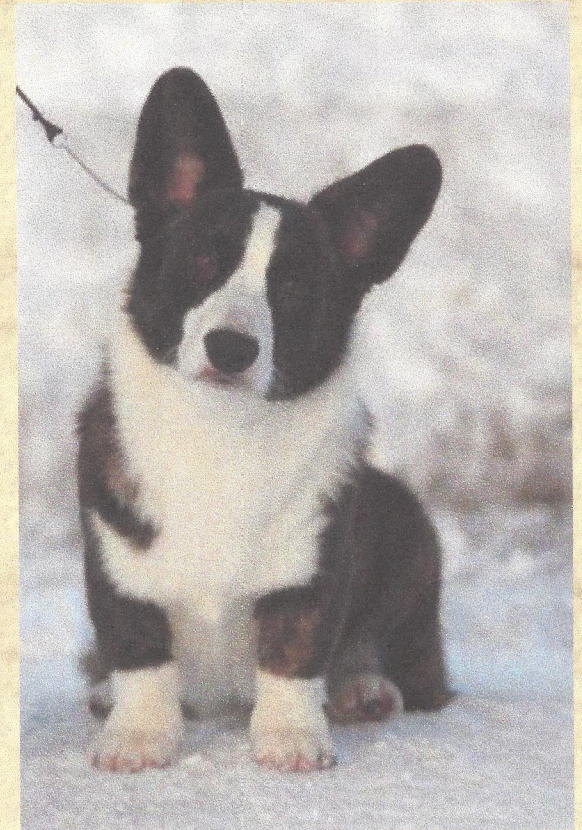
New Identification?

- Example 1:
 - Remington
 - High level competitive lure coursing dog
 - Vasectomy performed a few years ago, per the owner's want to keep his "drive high"
 - Escaped from the yard in December... new owner?
 - Traditional neuter performed by veterinarian, since he was apparently "intact"...



New Identification?

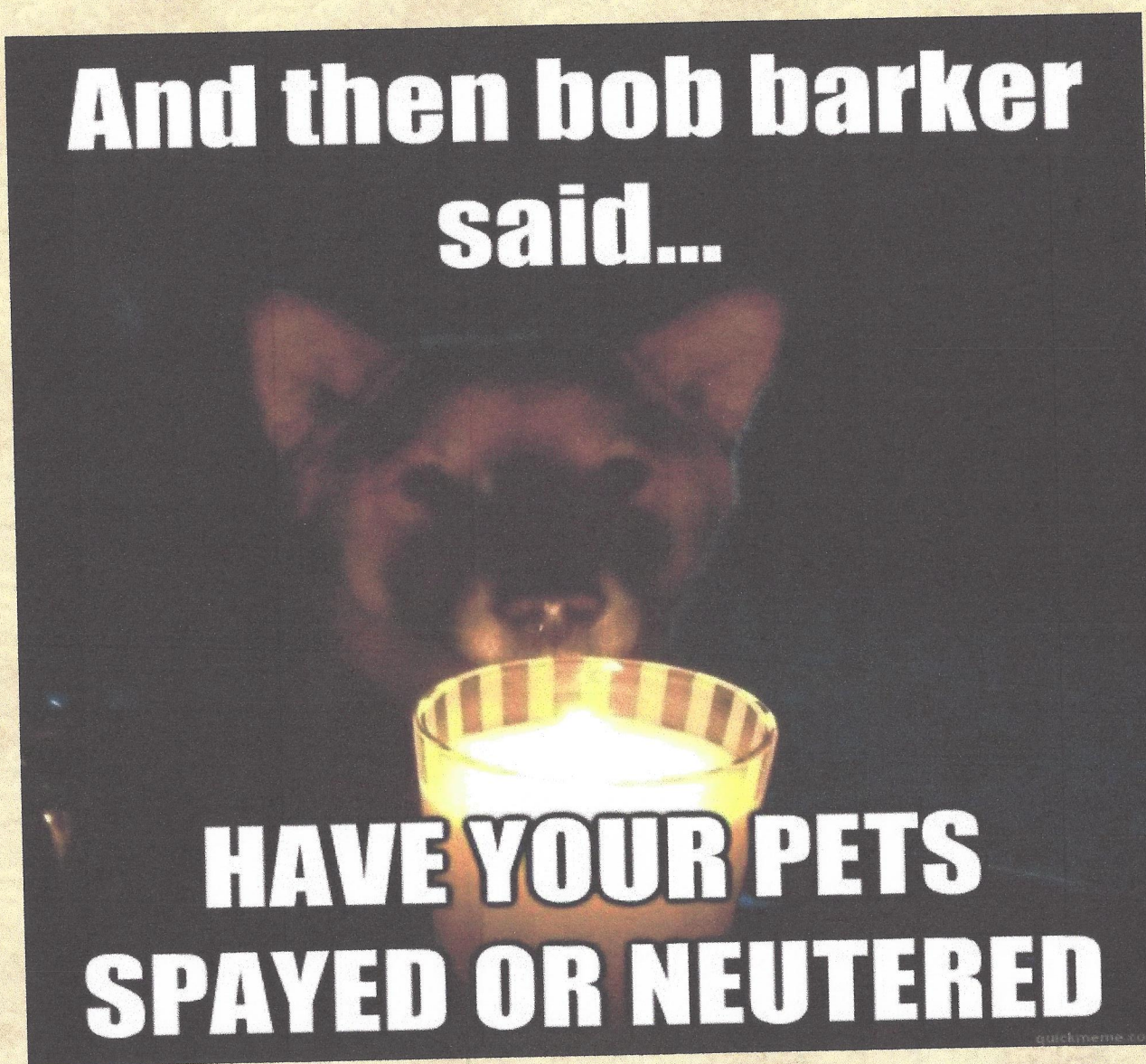
- Example 2:
 - Judy Blue
 - Breeder (you!) thought she would “turn out”, but ended up not being what you were hoping for physically
 - Ovary Spaying Spay Procedure elected by the owner
 - Judy was placed once a good family was found
 - New owner noticed Judy appears to be in heat, and consults with her veterinarian. Many expensive tests are run, and she is taken to surgery to search for an “ovarian remnant”
 - Owners are upset and want YOU to refund the tests!





Questions?

**And then bob barker
said...**

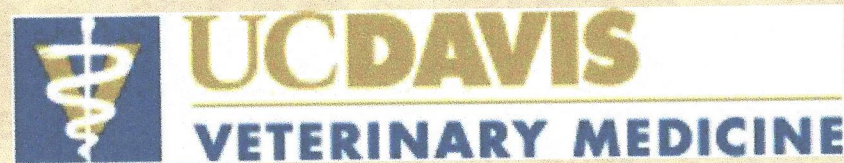
A small, dark-colored dog is shown from the chest up, looking directly at the camera. In front of the dog is a lit candle in a glass holder with vertical stripes. The candle is lit, and its flame is visible. The background is dark.

**HAVE YOUR PETS
SPAYED OR NEUTERED**

quickmeme.com

New Residency at UC Davis

- Novel residency program sponsored by AKC and the Therio Foundation in 2014



- Hopefully this program will enhance the interest of veterinarians to be involved with canine breeder medicine and reproduction!



