



# CONTRACEPTIVE IMPLANTS IN FEMALE DOGS

## Suprelorin - Deslorelin

### Advantages

- ❖ Inserted in less than a minute
- ❖ No known adverse side effects
- ❖ Effective at suppressing estrus if in anestrus

### Disadvantages

- ❖ Requires EDR permit
- ❖ Present cost is \$50
- ❖ Duration estimated at 16 - 18 months

### General Information

- ❖ Produced in Australia by Peptec

### Most Suitable Target

- ❖ Reserve dogs / Street dogs whose mean survival rate is less than three years
- ❖ Implantation should occur at an age of 4- 6 months

## Pilot Project

- ❖ Find the dog
- ❖ Catch the dog!  
with  $\begin{cases} \text{food} \\ \text{pole} \\ \text{cage} \end{cases}$
- ❖ Restrain the scared dog safely
- ❖ Apply .5ml Marcaine to a small interscapular subcutaneous area
- ❖ Insert microchip, contraceptive implant, give rabies vaccine
- ❖ Give dewormer in food to dog and leave token of appreciation
- ❖ Track the dogs at 3, 6, 12 months for pregnancy & survival
- ❖ Re-implant 16 - 18 months later



## Results - So far!

- ❖ Yes, Deslorelin will suppress estrus in female dogs
- ❖ The project is approaching its first anniversary. Only one implanted female out of fourteen has given birth
- ❖ Implantation during estrus can result in failure if no other hormonal control is used
- ❖ Insufficient evidence exists with regard to lactation termination
- ❖ There have been no observed adverse side effects
- ❖ Fifty more dogs from Alberta will be implanted by the end of July 2010
- ❖ Fifteen dogs will be implanted in a Mexican trial later this year

