

Sth International Symposium on Non-Surgical Contraceptive Methods of Pet Population Control

Current Status of GonaConTM

In the United States

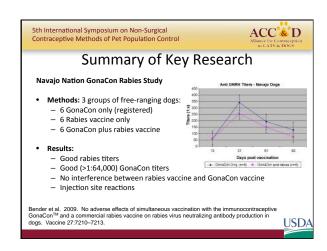
- EPA registered white-tailed deer, horses and burros

- Experimental uses on dogs and other species

Internationally

- Regulated as a veterinary product in many countries

- Experimental uses on a variety of species



Summary of Key Research

• Underway

- Mexico

• Manuscript accepted by Vaccine

• Proposed 'dog formulation' (lower M. avium concentration)

• Minor injection site reactions

- Some initial soreness, not externally visible

• Good anti-GnRH antibody titers 3-months post-vaccination

- Nepal

• Study in progress

• Registered formulation resulted in severe injection site reactions

• Possible study amendment to include a test group receiving the 'dog formulation' (lower M. avium concentration)

Summary of Key Research

• Underway

- Oklahoma/SpayFirst

• 'Dog formulation' - Small on-going study

• Planned

- Tribal dog breeding study (SpayFirst)

• EPA required Experimental Use Permit

- South Africa dog breeding study

USDA

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Target Market(s)

- U.S. 'free-ranging/roaming dog' populations
- International wild and feral dog populations
- Concurrent administration with rabies and other disease vaccination programs



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Commercialization/Availability Status

- Current
 - Registered for use in wild and feral animals
 - White-tailed deer, horses, burros
 - Available through USDA APHIS Wildlife Services
- Anticipated
 - Actively seeking a licensee and manufacturer in the U.S.
 - Available for international applications



5th International Symposium on Non-Surgical Contraceptive Methods of Pet Population Control ACC & D Challenges Confusion among potential users around feral/ domestic animal use patterns in the U.S. Minimizing injection site reactions without compromising efficacy Rigorous breeding and population study - Duration of effect - Vaccination schedule Manufacturing and licensing partner

USDA

Cost

Manufacture vaccine for APHIS registered uses

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Summary: 3 Key Takeaways

Number One:

Past studies in dogs demonstrate great potential

Number Two:

Work is still required to determine how the vaccine can be used most effectively as a fertility control agent, and/or in a rabies management program

Number Three:

APHIS is seeking a manufacturing and licensing

