

**ACC&D**  
Alliance for Contraception  
in CATS & DOGS



### Laying the Foundation: Overview of Existing Contraceptives and Non-Surgical Sterilants

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### Purpose


- Bringing people together for progress
  - Basic researchers
  - Animal welfare experts
  - Non-profit organizations and individuals interested in pet population control
  - Pharmaceutical companies
  - US and International pet population control experts
  - Funders - both charitable and for-profit




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### Progress

- 1<sup>st</sup> International Symposium - 2002
  - NO products on the market world-wide (except progestational steroids for short term contraception)
- 2<sup>nd</sup> International Symposium - 2004
  - Neutersol® in the US (FDA approval 2003)
  - Suprelorin® in Australia, New Zealand (2004)



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### Progress

- Neutersol® (Addison Laboratories)
  - Zinc gluconate (buffered)
  - For male puppies 3-10 months
  - Intra-testicular injection
  - Approved by the FDA
- Suprelorin® (Peptech Animal Health)
  - Deslorelin (GnRH agonist) implant
  - 6 month fertility suppression in male dogs
  - Approved for sale in Australia, New Zealand

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### Progress

- 3<sup>rd</sup> International Symposium - 2006
  - Gonazon®
    - Intervet Pharma
    - Azagly-nafarelin (GnRH agonist) implant
    - 12 month fertility suppression in female dogs
    - Approved for sale in the EU



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### Where We Are Now

- What happened since 2006?
  - Neutersol®: taken off the market in 2005, no longer available
  - Esterisol®: (Ark Sciences): introduced in Mexico 2008
  - Gonazon®: never launched in EU (business reasons?) - not available



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## Where We Are Now



**Suprelorin®**

- 2007 approval in Australia, New Zealand of 12 month implant for male dogs
- 2008 approval in the EU of 6 month implant for male dogs (marketed by Virbac)
- Approval in the EU of the 12 month implant for male dogs soon?

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Virbac EU advertisement



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## Regulatory Breakthrough?

- Environmental Protection Agency approval in 2009 of Gonacon®
  - GnRH vaccine
  - From the National Wildlife Research Center, USDA
  - Contraception of deer
- Possible EPA regulation of ~~contraceptives~~ / sterilants for feral cats




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## The Future

- Slow but steady progress towards a toolkit of technologies
- New impetus from the Michelson Prize and Grants program
- Continued need for:
  - New approaches (research and development)
  - Funding for use of current tools
  - Credible information shared widely