

## Suprelorin®



Linda Rhodes VMD, PhD  
Chief Scientific Officer, Aratana Therapeutics  
Member ACC&D Board of Directors

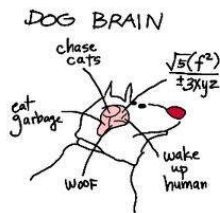
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## Suprelorin®

- Deslorelin for suppression of fertility in male dogs
  - 4.7 mg implant for 6 months
  - 9.4 mg implant for 12 months
- Developed by Peptech Animal Health (acquired by Virbac)
- Dr. Tim Trigg, Dr. Wolfgang Jochle

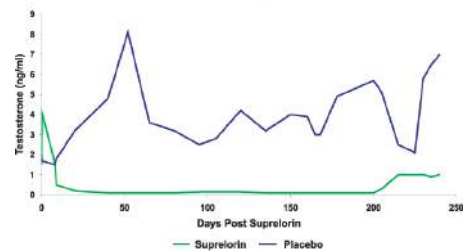
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## Suprelorin®



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### Testosterone Suppression



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– “Medical castration” – suppresses testosterone,  
shrinks testes, no sperm production



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## Current Status

- Approved in the EU, Australia and New Zealand
- NOT approved in the US; FDA is the regulatory agency



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## Practical Considerations

- Male dogs
  - Takes 3-4 weeks for suppression to occur
  - Not labeled as “reversible”
  - Re-implantation causes no problems
  - Safe

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## Practical Considerations

- Female dogs
  - Not labeled for use in female dogs, but has been shown to suppress fertility
  - May cause an initial 'induced estrus'
  - May have effects on endometrium
  - May have positive effects on urinary incontinence in bitches through suppression of LH and FSH

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## Practical Considerations

- Cats
  - Some evidence of GnRH agonists long term suppression of fertility in male and female cats
  - Not labeled for use in cats

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### GnRH Agonists and Antagonists: Laboratory and Field Learning Saturday 1:30pm

- Effect of a GnRH agonist in immature domestic cats  
MV Ana Cristina Carranza-Martin
- Slow-release GnRH agonist implants – mode of action and their use as a contraceptive for dogs and cats  
Dr. Sandra Goericke-Pesch
- May deslorelin acetate be used safely in bitches for contraception? A retrospective clinical study  
Dr. Iris Reichler
- Can single administration of a high dose GnRH agonist persistently suppress the canid reproductive axis? The coyote (*Canis latrans*) as a model  
Marjorie MacGregor

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