Suprelorin®

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

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
Current Status

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

Practical Considerations

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

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

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

• Effect of a GnRH agonist in immature domestic cats
  MV Ana Cristina Carranza-Martín

• 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