

There's more than one way to crack a nut.



Suprelorin® offers a reversible, alternative to surgical castration with the same benefits as surgery

Shaping the future
of animal health

Virbac

Suprelorin[®] offers a choice to you and your pet owners

25%

of pet owners are concerned or very concerned that neutering could be harmful for their dog¹

1/3

of pet owners would look at alternative methods to surgical castration²

67%

of pet owners with intact pets have not chosen to surgically castrate because it is permanent²

There are many reasons why a pet owner will consider surgical castration.

These include:



Unwanted litters



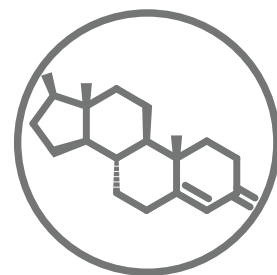
Urine marking (and odour in cats)



Hypersexuality



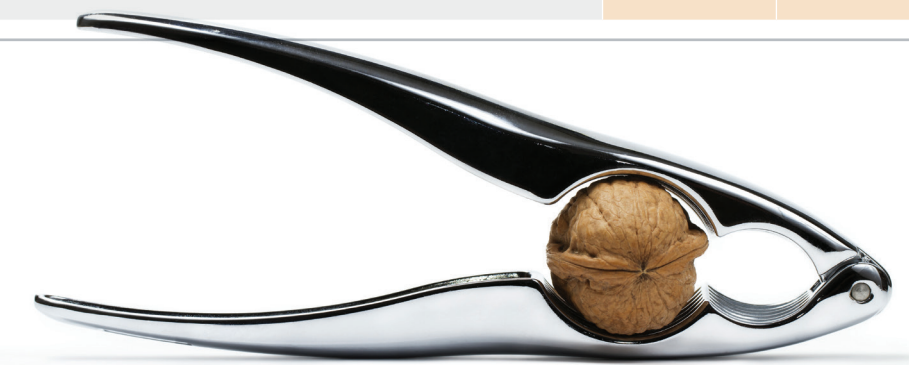
Unwanted social behaviour



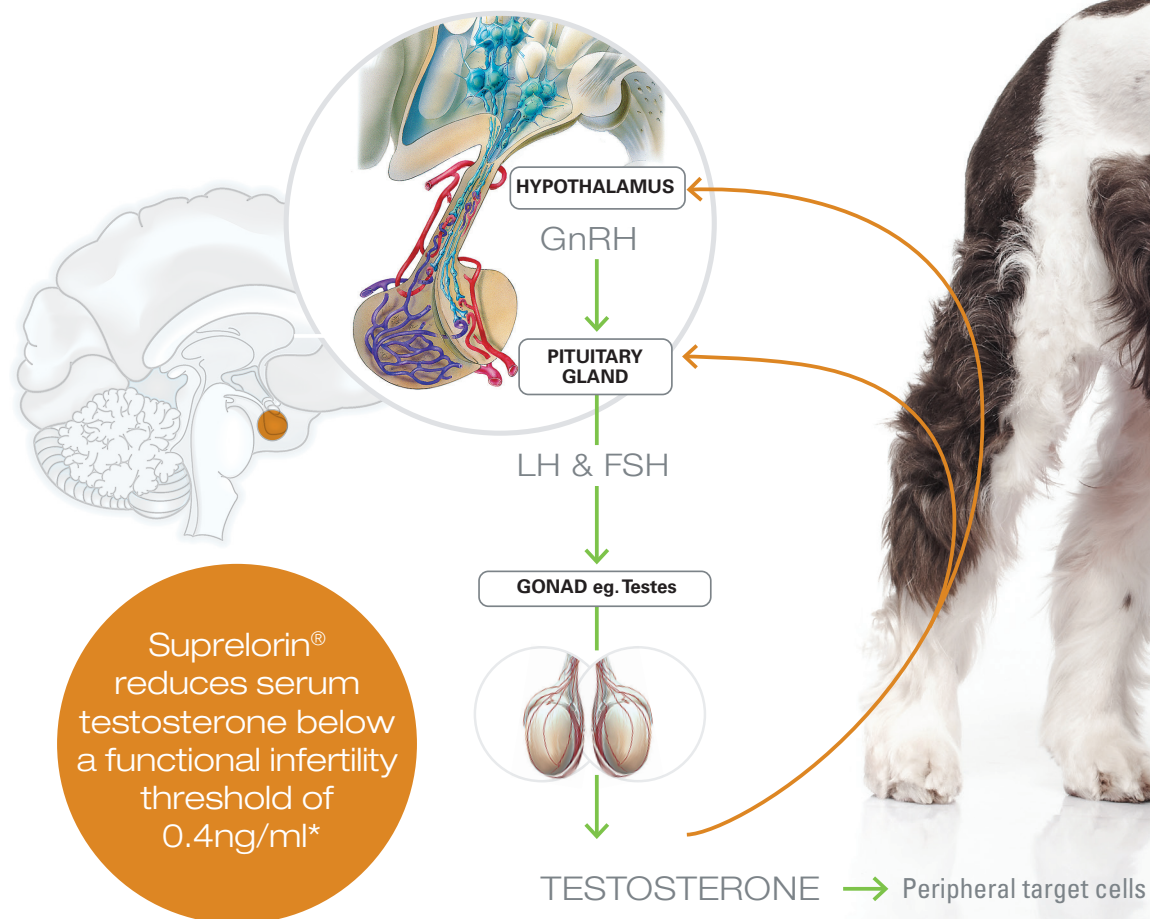
Testosterone related diseases

Why choose Suprelorin[®] over surgery?

	DOG	CAT
No need for general anaesthetic	✓	✓
See the effect on behaviour without the permanence of castration	✓	✓
May want to breed at a later date	✓	✓
Behavioural benefits of neutering during training	✓	
Reduce urine marking and urine odour		✓
Allow enough time between neutering, vaccination and homing to minimise stress		✓

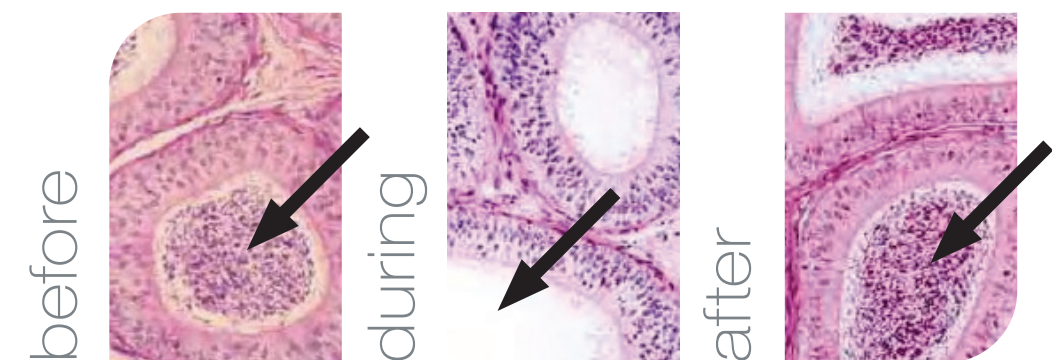


Normal regulation of testosterone



Reversible reduction of sperm production.*

Testicular tissue under a microscope - before, during and after implant use. Notice the presence, absence and then return of sperm in the tubules of the testes.



*Testosterone suppression and reversible sperm production for dogs only

How does Suprelorin® work?

Suprelorin® contains deslorelin in a slow release lipid matrix. Modified amino acids at positions 6 and 9 increases the effect, raises receptor affinity and reduces susceptibility to enzymatic degradation - giving a sustained, prolonged action.

Deslorelin is a GnRH super-agonist with a high affinity for receptors in the pituitary gland.

Implantation

Initial phase stimulation

Long term suppression of FSH and LH release

Produces functional infertility with reduced libido.

Suprelorin® enables pet owners to see the effects of castration without the permanence of surgery.

Key facts

- Sharp, elongated needle for ease of use.
- Available in packs of two preloaded needles with a reusable syringe body.
- Blue spacer in the needle lets you know the implant has been inserted successfully.
- Simple subcutaneous injection between the shoulder blades.
- No need to remove the implant.
- Can be used repeatedly for continuous infertility in dogs.³
- Testicular size significantly reduces in dogs during effect. This can be used as a visible measure for vets and pet owners.
- Long shelf life - 9.4mg can be kept for 2 years and the 4.7mg presentation has a shelf life of 3 years.



White wax-like slow release lipid matrix containing **deslorelin**.



Successful implantation and blue spacer visible.



Licensed in ferrets too!

Surgical castration in ferrets may be associated with an increased incidence of hyperadrenocorticism.⁵

Suprelorin[®] offers an alternative.

Ferrets are neutered to suppress fertility, reduce odour and reduce aggressive territorial behaviour.⁴

Available in two presentations:



Suprelorin® 4.7mg for dogs



- » Licensed for use in entire male dogs.
- » Infertility lasts for at least 6 months.

Functional infertility from 6 weeks. Normal return to blood testosterone in at least 80% within 12 months, and 98% by 18 months.³

Suprelorin® 9.4mg for dogs and ferrets



- » Licensed for use in entire male dogs and ferrets.
- » Infertility lasts for at least 12 months in dogs. In ferrets, the implant can last up to 4 years when implanted at commencement of the breeding season.

Functional infertility from 8 weeks in dogs and from 5-14 weeks in ferrets. In dogs, at least 68% return to normal blood testosterone levels within 24 months, and 95% by 30 months.³

Suprelorin® 4.7mg for cats



- » Licensed for intact male cats over 3 months of age
- » Infertility and reduction of sexual behaviours and urine odour lasts approximately 12 months

Functional infertility from approximately 6 weeks and sexual behaviours from just one week post implantation. When implanted in 3-month old male kittens, suppression of fertility lasted at least for 12 months in 100% of cats and for more than 16 months in 20% of cats.

The maximum duration observed is 28 months following implantation.

There is a 1-3% lack of efficacy reported based on continued expression of sexual behaviours, mating resulting in pregnancy, and/or lack of suppression of plasma testosterone levels³.



References: 1. Mo Gannon & Associates (2017). Do you think neutering is harmful for dogs?. MG&A. 2. Harris interactive. Understanding the usages & attitudes around cats & dogs sterilization and evaluating the potential of Suprelorin. (2017). 3. Suprelorin EMA MA Dossier; 4. Mullen, H. (1996). Soft Tissue Surgery. In: Hillyer, E.V. ed. Ferrets, rabbits and rodents: clinical medicine and surgery. Philadelphia: Saunders, pages 131-144. 5. Schoemaker, N.J. & van Zeeland, Y.R.A. (2013). Endocrine Disease in Ferrets, Utrecht University Repository, 23 (4), 19-30;

Suprelorin® contains deslorelin acetate UK: **POM-V** IE: **POM**

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Use medicines responsibly. www.noah.co.uk/responsible www.apha.ie

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