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Anethum graveolens Linn. (dill) extract enhances the mounting frequency and level of testicular tyrosine protein phosphorylation in rats

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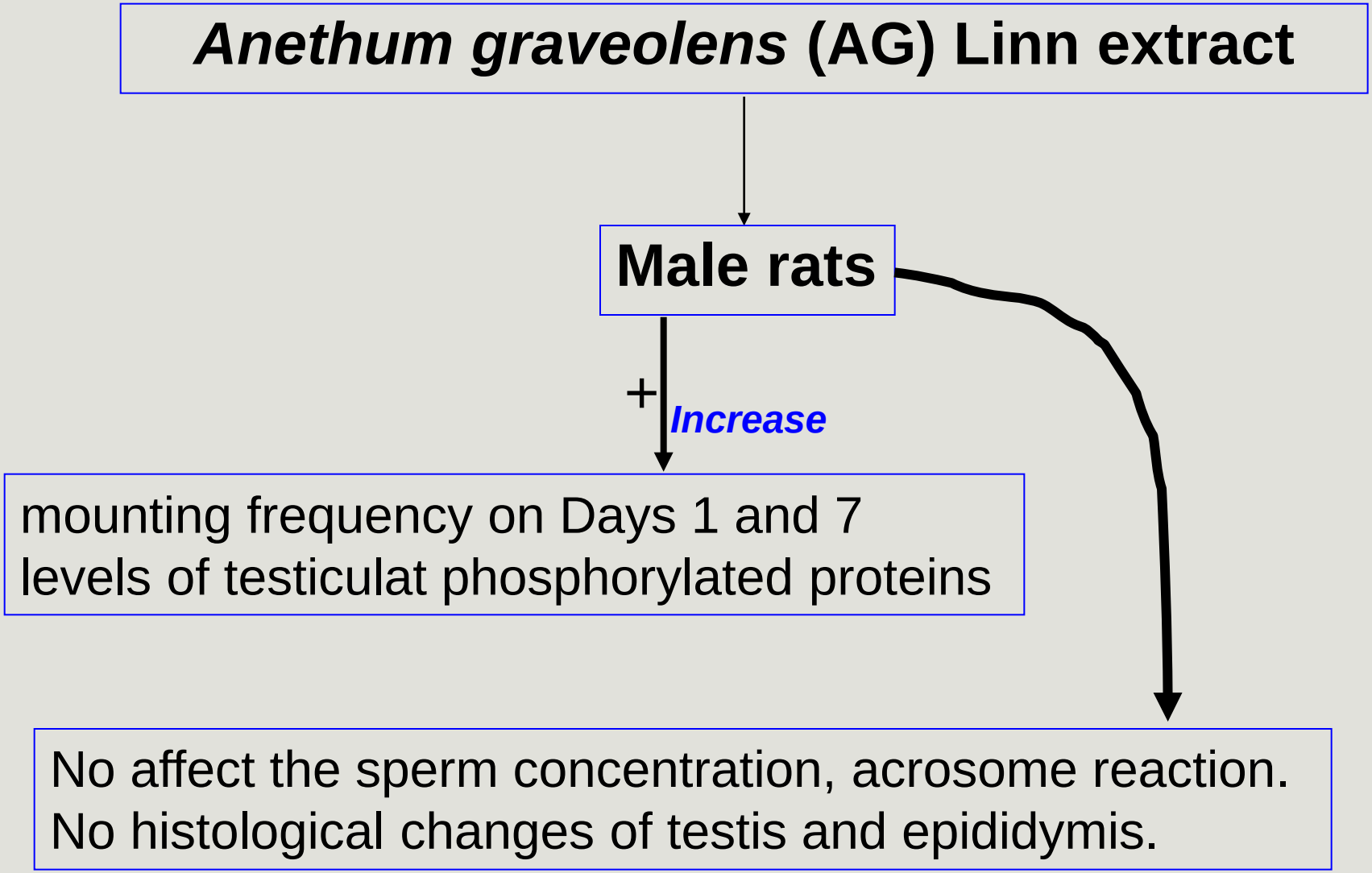
Key words: *Anethum graveolens* Linn. (dill), Mounting frequency, Testicular phosphorylation, Sperm acrosome reaction

• *Anethum graveolens* (AG) Linn. has been demonstrated to possess significant mucosal protective, antimicrobial, antigastric irritation, and antioxidant activities.

• Previous studies have shown that AG could stimulate milk production and change the estrous cycles suggesting that AG affects the hypothalamo-gonadal axis in females.

• However, the effects of AG on the male reproductive system have never been documented.

• Possibly, AG may also affect such axis on the male system that may result in enhancing male sexual behaviors or affect male reproductive organs. The objective of this investigation is to study the effect of AG on male mounting frequency and its toxicity to sperm morphology and function.


Anethum graveolens (AG) Linn extract
Male rats
+
Increase
mounting frequency on Days 1 and 7
levels of testiculat phosphorylated proteins
No affect the sperm concentration, acrosome reaction.
No histological changes of testis and epididymis.