

WHERE ARE TESTICULAR NERVES LOCATED?

Where are the nerves in the testes? How could it be that a testicular injection would not be extremely painful, when hits or bumps to the testes are extremely painful? Because pain-sensing testicular nerves are primarily in the scrotum and the testicular capsule, not the inside testicular tissue.

From

Davis JR, Langford GA, Kirby PJ. *The testicular capsule*.

In: Johnson WR, Gomes WR, editors. *The testis*.

New York Academic Press Inc.; 1970. p. 285- 93:

"Most nerves in the testicular parenchyma are efferent sympathetic nerves that affect the local vasculature. This anatomical arrangement would make pain response from within the testis unlikely."

Therefore pain response from within the testicular tissue is unlikely.

"Afferent nerve endings associated with pain sensation are located in the capsule of the testis. These nerve endings may [be] stimulated as intratesticular pressure [increases] during injection."

Therefore pain sensation is located on scrotum (skin) and capsule of the testis (the white membrane very tight to testis). Other than the momentary discomfort of penetrating the skin (as is present in any injection), further pain can be avoided if care is taken to avoid injecting too fast and thereby putting pressure on the testicular capsule.

For informational purposes only; potential veterinary users should read all information available, including all published studies, in order to make an informed decision about whether use is consistent with the greatest good, and permitted by regulation, in their context. Rev. 9/2012

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