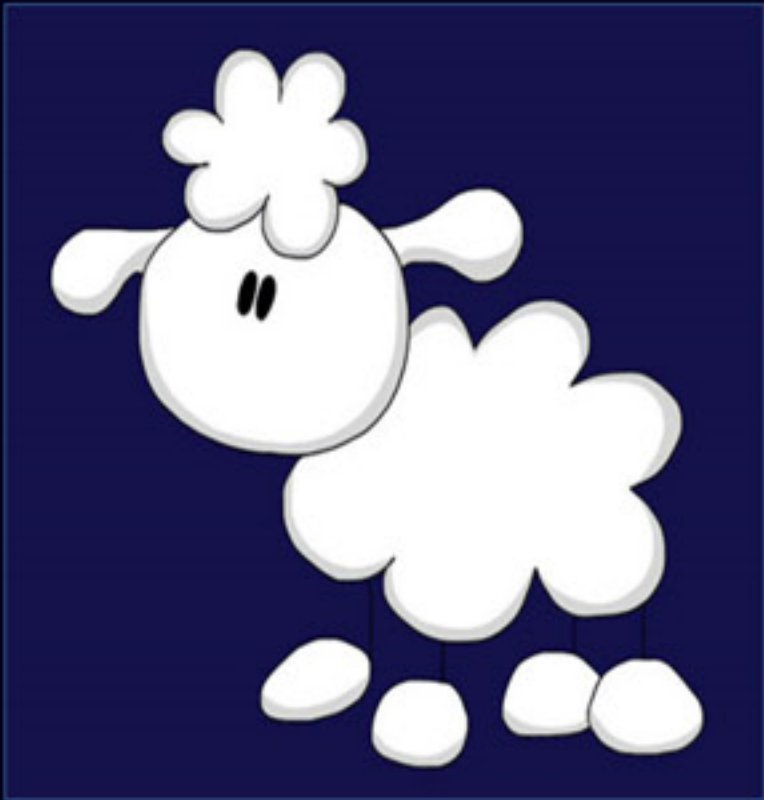


Distribution of autonomic neurons supplying the hip joint capsule in the sheep - preliminary study.

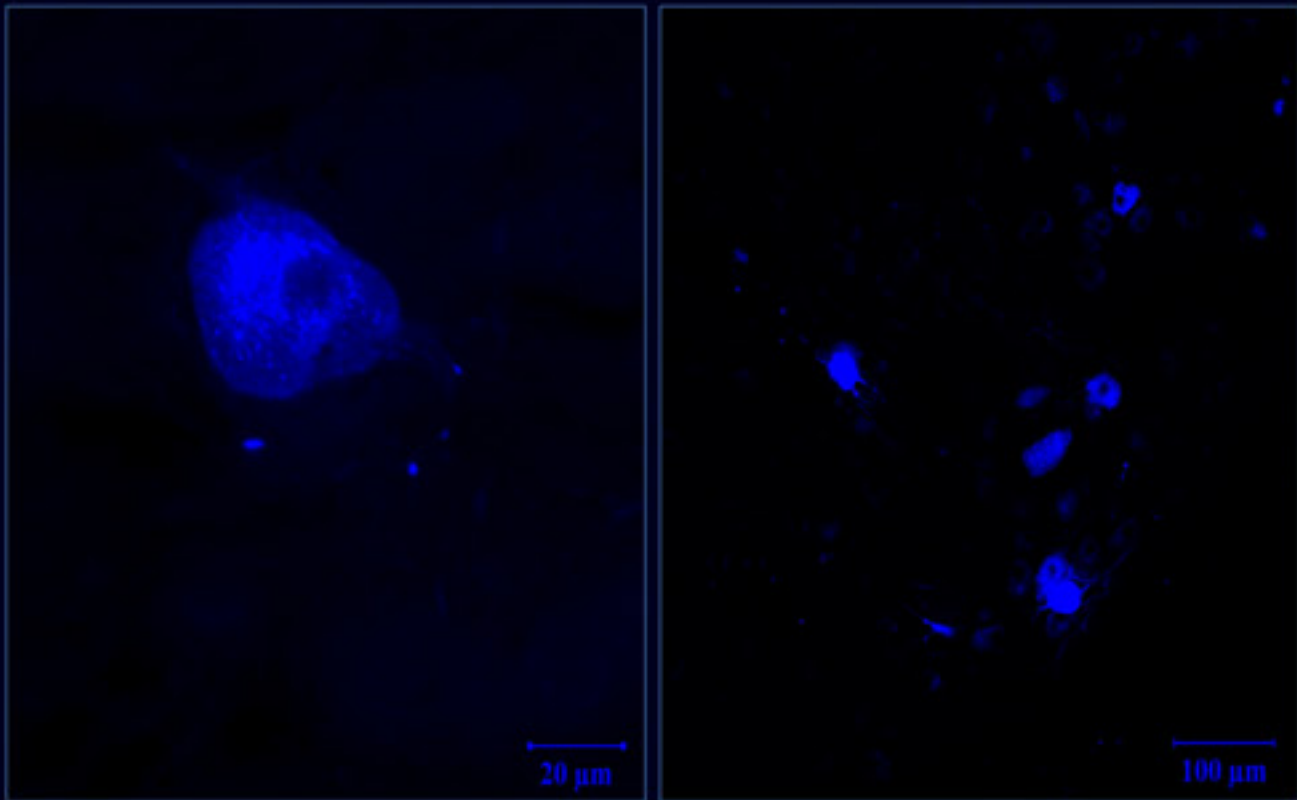
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Retrograde tracing method using fluorescent tracer **Fast blue** (FB) was applied to investigate the localization of autonomic neurons involved in the innervation of the hip joint capsule (HJC) in the sheep. Individual animals were injected with **20 µl of 5%** water suspension of FB into the lateral aspect of the right hip joint capsule (group LAT, n= 3) or into the medial aspect of the hip joint capsule (group MED, n=3), respectively.

FB-positive (FB+) neurons were found within ipsilateral lumbar (L) and sacral (S) sympathetic chain ganglia (SCHG) from **L2 to S3** and from **L2 to S2** in animals of **LAT** and **MED** group, respectively. They were round- or oval-shaped with a longitudinal axis of approximately 35µm and a short axis of approximately 25µm. The neurons were evenly distributed throughout the ganglia.



The average number of FB+ neurons was **312 ± 99.1** and **954.3 ± 54.5** in sheep of group **LAT** and **MED**, respectively.

