

# MICROANATOMICAL STUDIES ON THE SPLEEN'S CAPSULE IN ONE HUMPED CAMEL (*Camelus dromedarius*)

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## ABSTRACT

The aim of the study was to describe histological structure of camel spleen. The present study was conducted on 6 spleens of camel (irrespective of sex and age) procured from the apparently healthy euthanased/ dead camels (irrespective of sex and age). The spleen was covered by moderately thick fibro-elastic and muscular capsule invested by the serous peritoneal covering. The present study has shown that the capsule of the camel spleen is divided into outer connective tissue and inner smooth muscle layers constituting about 1/3 and 2/3 of the capsule thickness. Vascular and avascular trabeculae extended from the capsule, containing arteries and nerves without any trabecular veins, the latter being divided structurally into primary and secondary trabeculae. Subcapsular and peri-trabecular blood sinuses around primary and vascular trabeculae were found unique to the camel spleen.

**Key words:** Camel, blood analysis, haematology, lactation, physiology