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Prevalence of Sarcocystosis in Goats slaughtered at an abattoir in Bangalore, Karnataka state

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Abstract

The species wise prevalence of sarcocystosis in goats was recorded as 72.24 and 21.12 percent for *S.capraeanis* and *S.hircicanis* species, respectively. The mixed infections with both species were observed in 14.08 percent of the animals. The organ wise prevalence was found to be of 69.45, 36.10, 62.50, and 12.5 percent in oesophagus, heart, diaphragm and tongue, respectively. Morphologically both *S.capraeanis* and *S.hircicanis* were microscopic, elongated, spindle-shaped and both ends were tapering. The sarcocysts of *S.capraeanis* measured 898 to 1009 mm in length and 52 to 168 mm in width with an average of 540 ± 50 mm and 72.5 ± 13 mm. Where as the sarcocyst of *S.hircicanis* measured 760 to 1600 mm in length and 65 to 180 mm in width with average measurements of 980 ± 10 mm and 110 ± 3.5 mm.

Keywords: Prevalence, *S.capraeanis*, *S.hircicanis*, Goat, Morphology, Micrometry