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MORPHOLOGICAL AND MOLECULAR PHYLOGENY OF ANOPLOCEPHALIDEAN CESTODE PARASITE FROM CAPRA HIRCUS(L) IN SOLAPUR DISTRICT (M.S.) INDIA

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ABSTRACT

Cestode Parasite are collected from intestines of Capra hircus (L) in Solapur district (M.S.) India, were subjected to a complete parasitological
examination. The present Cestode that is MonieziaSp. differ from all known species is having the scolex quadrangular, mature segments
nearly four times broader than long, number of testes, shape of ovary, number of Inter proglottidal gland and their arrangement. In
morphological data the Cestode is identified as confirmed to be representing Moniezia species in mammalian host goat. Identity of Cestode
Parasites was confirmed through amplification and sequencing of COI- 5P gene marker (by molecular characterization) Phylogentic analysis
of COI-5P gene marker of MoneiziaSp. showed that it is cladded with Monieziaexpansa.

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