

## A NEW TAPEWORM FROM *OVIS BHARAL* AT JALNA, INDIA

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This paper contains the description of a new species of genus *Moniezia* (Blanchard, 1891). *Moniezia jalnaensis* n.sp. possess distinguishing characters, such as scolex squarish, slightly broader than long; mature segment squarish, broader than long; testes oval, scattered almost in the middle of the segments, 150-160 in number; cirrus pouch situated in the anterior half of the segments, ovary large, horse-shoe shaped, with numerous short, blunt, round acini; vagina; thin, situated posterior to the cirrus pouch; genital pores oval, bilateral, marginal, situated just anterior to the middle of the segments, vitelline gland on each side, large, postovarian, situated in the concavity of ovarian lobes. The interproglottidal glands oval, situated in the middle region, leaving space on each lateral side 19 in number.

The genus *Moniezia* was established by Blanchard in 1891. The present communication, deals with the description of a new species. *Moniezia jalnaensis* n.sp. from *Ovis bharal* at Jalna, M.S., India. in the month of November 1994.

All the cestodes were flattened, fixed in 4% formalin, stained with Harris Haematoxylin and mounted in D.P.X. Drawings are made with camera lucida. All measurements are in millimeters.

*Moniezia jalnaensis* n. sp. (Fig.1)

**Description :** Scolex large, squarish, slightly broader than long 0.964 x 1.036; suckers four, large, oval arranged in a row, overlapping on each other 0.339 x 0.268; neck medium, longer than broad 1.357 x 0.746.

Mature segments large, squarish, broader than long, 1.196 x 4.660; testes small, oval, scattered almost in the middle of the segments, 150-160, 0.0714 x 0.089 cirrus pouch, oval situated in the anterior half of the segments, directed anteriorly extend beyond the excretory canals 0.214 x 0.125; ovary large, horse-shoe shaped, with numerous short, blunt, round acini 0.804 x 0.143; vagina thin situated posterior to the cirrus pouch 0.714 x 0.036 ootype, oval, postovarian situated in the concavity of the ovarian lobes 0.214 x 0.125. The interproglottidal glands in between two segments, medium, oval, 19 in number, 0.089 x 0.0714.

**Remark :** The genus *Moniezia* was established by Blanchard (1891). Skrjabin & Schulz 1937 divided this genus into three sub genera as follows :

- Interproglottid glands grouped into rosettes *Moniezia*.
- Interproglottid glands arranged lineally (sometimes absent) *Blanchariezia*.
- Interproglottid glands absents *Baeriezia*.

The present worm, agrees in all the characters with sub genus *Blancharizia* skrjabin and Schulz, 1937 which having the following four species.

- *M. (B.) benedeni* (Moniez, 1879 skrj. et. Schulz, 1937).
- *M. (B.) pallida* Monnig, 1926.
- *M. (B.) aurangabadensis* Shinde, et al., 1985.

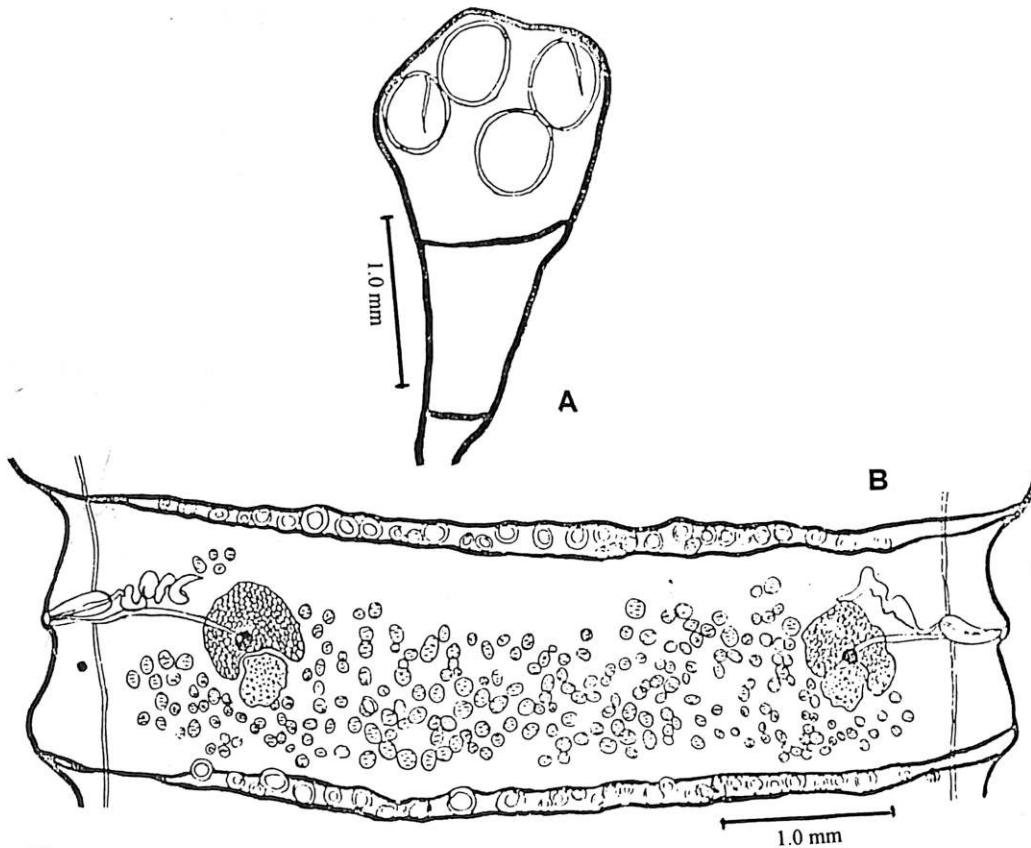


Fig. 1 : *Moniezia jalnaensis* n. sp. A = Scolex; B = Mature segment.

- *M. (B.) bharalae* Shinde *et al.*, 1985.
- *M. (B.) benedeni* differs from the present cestode, in that the testes 500 in number, arranged in two fields varying in size, narrow short and in transverse row; cirrus pouch wide, short and reported from horse, *Equus caballus*.
- *M. (B.) pallida* also differs from this worm in having uterus external dorsally and ventrally, over excretory canals, the interproglottidal glands varying in size and reported from horses, *Equus caballus*.
- The present cestode, differs from *Moniezia (B.) aurangabadensis* in having scolex quadrangular; testes 1100-1200 in number; ovary bilobed; interproglottidal glands 12-15 in number cirrus pouch long, cylindrical, reported from ovis bharal.
- The present worm, differs from *M.(B.) bharalae* which is having mature segments broader than long, testes 198 to 200 in number, interproglottidal glands in two rows, at posterior margin of the segment, 38-44 in number vitelline gland absent and reported from *Ovis bharal*.

These characters are valid enough, to erect a new species, for these worms and hence the name *Moniezia jalnaensis* n.sp. proposed after the locality.

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