

RESEARCH ARTICLE

## Morpho-taxonomic study of a new species of the genus *Moniezia* Blanchard, 1891 (Cestoda: Anoplocephalidae) from *Capra hircus* L.

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**ABSTRACT.....** Present investigation deals with morpho-taxonomic study of a new species of the genus *Moniezia* i.e. *Moniezia* (B) *elongata* sp. Nov. were collected from *Capra hircus* L. at Deoni Dist. Latur (M.S.) India. The present parasite comes closer to all known species of the genus *Moniezia* due to general topography of organ but differs due to scolex rectangular, suckers are oval to rounded, arranged in two groups, mature proglottids square, testes small, rounded and 40-45 in numbers. The cirrus pouch is cylindrical, ovary bilobed, inverted 'U' shaped, vitelline gland is oval, compact, genital pore marginal, vas deferens is thin coiled tube, the interproglottid glands are arranged in two rows, 20 in each rows.

**KEY WORDS.....** *Capra hircus*, *Moniezia elonata* sp. Nov., Morpho-Taxonomic study

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### INTRODUCTION.....

The genus *Moniezia* was established by Blanchard, 1891. Skrjabin and Schulz (1937) divided this genus into three subgenera as follows:

- Inter proglottid glands grouped in rosettes- - - - - *Moniezia*.
- Inter proglottid glands arranged linearly (Some times absent) - - - - - *Blanchariezia*.
- Inter proglottid glands absent- - - - - *Baeriezia*.

The present worm agrees in all characters with subgenus *Blanchariezia*. Skrjabin and Schulz (1937) having two species as *M. (B.) benedeni* (Moniez, 1879), Skrjabin and Schulz 1937 and *M. (B.) pallida* Monning, 1926. Later on two more species were added by Shinde *et al.*, 1985. From the host *Ovis bharal* as *M. (B.) aurangabadensis* and *M. (B.) bharalae* at Aurangabad (M.S.) India. Later on Patil *et al.*, 1997 described *Moniezia (B.) warananagarensis* from *capra hircus*. Kalse *et al.*, 1999 described *Moniezia (B.) murhari* from *capra hircus*,

*Moniezia (B.) caprai* was added by Pokale *et al.*, 2004 from *Capra hircus* and *Moniezia (B.) shindei* added by Pawar *et al.*, 2004 from *Ovis bharal*. Later on *Moniezia (B.) hircusae* added by Tat *et al.*, 2004 from *Capra hircus*. Borde *et al.*, 2004 added *M.(B.) rajalaensis* from *Capra hircus* and Shelke *et al.*, in 2004 added *Moniezia (B.) aishvaryee* from *Ovis aries*. Later on Nanware, 2010 added three new species in this genus i.e. *M.(B.) caprae*, *M.(B.) maharashtrae* and *M.(B.) kalavati* from *Capra hircus*. Kasar *et al.*, 2010 added *M. madhukarae* from *Capra hircus*. Recently Shaikh *et al.*, 2011 added *M. (B.) mansurae* from *Capra hircus*. Then *M.(B.) govindae* is added by Padwal *et al.*, 2011 from *Capra hircus*. Recently Humbe *et al.*, 2011 added two species i.e. *M.(B.) babai* from *Capra hircus* and *M.(B.) ovisae* from *Ovis bharal*.

### RESEARCH METHODS.....

Thirty three cestode parasites were collected from the intestine of *Capra hircus* L. at Deoni, Dist. Latur (M.S.) India during the period of July, 2007 to June 2010. These cestode