

RESEARCH ARTICLE

## Studies on the cestode genus *Mogheia* Lopez-Neyra in 1944 (Cestoda: Thysanosomidae) from *Passer domesticus*

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**ABSTRACT.....** The present communication deals with a new species of the genus *Mogheia domestica* Sp.Nov. from *Passer domesticus* at District Nanded (M.S.) India. The worm comes closer to all the known species of the genus *Mogheia* in general topography of organs but differs due to scolex large, oval to rounded in shape. The suckers are large, four in numbers, rounded to oval. Scolex is followed by long neck, followed by indistinct segmentation. Mature segments broader than long, testes 08 in numbers, cirrus pouch small, elongated, marginally placed cirrus straight protrusible and forms vas deferens reaches up to the middle of the segment. Vagina, thin tube, runs transversely, posterior to cirrus pouch, genital pores small, oval in shape. Seminal receptacle is thin tube, open into ootype, ovary medium, bean or fan shaped, situated towards middle of the segment in the poral half, ootype small, compact, oval in shape.

**KEY WORDS.....** *Mogheia*, *Passer domesticus*, Thysanosomidae

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### INTRODUCTION.....

The genus *Mogheia* was erected by Lopez-Neyra in 1944. Moghe (1933) Synonymised it as *Baeria* with the type species *M. orbiuterina*, from the intestine of *Turdoides smervillei* in India. Since then seventeen species have been reported till to this date. The genus *Mogheia* is the sole representative of family Thysanosomidae from birds. The following species are added to the genus *Mogheia* Lopez-Neyra, 1944.

- *M. orbiuterina*, Moghe, 1933
- *M. megaparuterina*, Capoor and Shrivastava, 1966.
- *M. bayamegaparuterina*, Capoor, 1967.
- *M. asturi*, Gaikwad and Shinde, 1981.
- *M. copsychi*, Gupta and Sinha, 1984.
- *M. oriole*, Gupta and Sinha, 1984.
- *M. govindi* Shinde *et al.*, 1986.
- *M. parbhaniensis* Shinde *et al.*, 1986.
- *M. guptai*, Gupta and Parmar, 1988.

- *M. caudatusae*, Sonune *et al.*, 1990.
- *M. turdoides*, Sonune *et al.*, 1990.
- *M. domesticus*, Jadhav *et al.*, 1990.
- *M. hydrabadensis*, Jadhav and Nanware, 1994.
- *M. passeri*, Kadam, *et al.*, 1999.
- *M. turdoidesi*, Shinde and Kalse, 2000.
- *M. passeriae* Garad and Nanware, 2010
- *M. ausae* Gore *et al.*, 2010
- *M. pycnonotusae*, Kopuke *et al.*, 2011
- *M. laturensis*, Pawar and Shinde, 2002

### RESEARCH METHODS.....

During the survey of Avian cestode parasites, the five *Passer domesticus* collected during the period of July, 2006 to June 2009 from Kandhar, District Nanded (M.S.) India were autopsied in the laboratory for cestode infection, of which three specimens were found infected with 20 specimens of