

Systematic observation of the genus *Stilesia* railliet, 1893 from *Ovis Bharal* with description of a new species

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The present communication deals with new species of the genus *Stilesia* Railliet in 1893 i.e. *Stilesia intestinalis* sp. Nov. collected from *Capra hircus* (L.) from Shirur Anantpal Dist. Latur (M.S.) India. The present form comes closer to all the known valid species of this genus in general topography of organs but differs due to some characters i.e. Scolex rectangular, suckers four, large, muscular, arranged in two groups, neck long, mature proglottids 8 times broader than long, testes small, arranged in two groups, 4 in each groups, genital pore marginal, regularly alternate, vagina anterior to cirrus pouch, ovary compact and cylindrical.

Key words : *Capra hircus*, *Stilesia*, Systematic observation

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INTRODUCTION

The genus *Stilesia* was erected by Railliet in 1893 from *Ovis aries* in Europe, Asia and Africa as *Stilesia globipunctata*, later on in 1896 Railliet described *Stilesia vittata* from *Camelus bactrianus* from East Africa later on Wolffhugel in 1903 added *Stilesia hepatica* from sheep and goat from East Africa. In India *Stilesia okapi* was described by Leiper in 1936 from *Okapi* in Africa, is regarded by Baer, 1950 as a variety of *Stilesia globipunctata*. Kadam *et al.*, 1980 added *Stilesia leiperi* from *Ovis bharal* later on *Stilesia caballeroi* was erected by Kalyankar (1981) from *Capra hircus*. Shinde, 1982 described *Stilesia southwelli*, Later on Jadhav *et al.*, 1982 described *Stilesia aurangabadensis* from *Ovis bharal*. Malhotra and Capoor, 1983 added two new species i.e. *Stilesia gharwalensis* and *Stilesia Kothwarensis* from *Capra hircus*, *Ovis bharal*, respectively. Shinde *et al.* (1985) added *Stilesia marathwadensis* from *Capra hircus* later on Jadhav (1999) described *Stilesia jadhavae* from *Ovis bharal*, *Stilesia yawalensis*, was added by Kalse *et al.* (1999) from *Capra hircus*. Deshmukh and Shinde (2001) added *Stilesia dhondage* from *Capra hircus* Patil *et al.*, 2002 added *Stilesia capari* from *Capra hircus*, later on Pawar *et al.*, 2004 added *Stilesia ambajogaensis* from *Bos indicus*. Later on *Stilesia pandeyi* was described by Nanware and Jadhav, 2004 from *Capra hircus*. Khadap (2004) reported

Stilesia indapurensis from *Capra hircus*, in 2004 Shelke and Shinde (2004) described *Stilesia daulatabadensis* from *Capra hircus* later on Nanware and Jadhav, 2005 described *Stilesia jadhavae* from *Capra hircus* and Padwal and Jadhav in 2006 added *Stilesia govindae* from *Ovis bharal*.

RESEARCH METHODOLOGY

Thirty one cestode parasites were recovered from the intestine of *Capra hircus* (L.) from Shirur Anantpal Dist. Latur M.S. India during the period of July, 2007 to June, 2010. Out of these cestodes Seven cestodes were fixed in 4 per cent formalin for taxonomical aspect and stained with Harris alum haematoxylin as well as Borax carmine. The drawings are drawn to scale with the aid of camera lucida and all the measurements are calculated in millimeter.

RESEARCH FINDINGS AND ANALYSIS

The findings of the study have been discussed in detail as under:

Description based on five specimen (Fig. 1 and 2) :

The worms were considering long with numerous proglottids. The strobila is divided into many immature and