A New Species of the Genus *Probstmayria* Ransom, 1907 
(Nematoda: Atractidae) from the Rhesus Macaque, 
*Macaena mulatta*

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**ABSTRACT.** *Probstmayria nainitalensis* n. sp. is described from the rectum of the rhesus macaque, *Macaena mulatta*, from Nainital, India. The new form consists of morphologically dissimilar spicules, spicular ratio 1 : 1.41-1.50, tip of shorter spicule elongate and blunt, six pairs of postanal papillae and a prominent gubernaculum in the male and didelphic ovaries and postequatorial vulva in the female.

A key to the species is also furnished.

**OBSERVATION**

During the survey of nematode parasites from Kumaon Region, four male and five female specimens of the genus *Probstmayria* Ransom, 1907 were recovered from the rectum of rhesus macaque, *Macaena mulatta* (Zimmermann) from Nainital. The worms do not confirm to any known species of the genus and appear to constitute a new species. All measurements are in mm.

*Probstmayria nainitalensis* n. sp.

Worms small, hair-like, translucent in the living state and attenuated at both the ends. Cuticular striations absent. Mouth with the six lips, of which two submedian are comparatively well developed than the lateral lips. Each submedian lip consists of a pair of papillae. Tubular pharynx 0.09-0.10 long in males and 0.16–0.17 in females. The length of tubular anterior portion of oesophagus 0.33–0.35 in males and 0.40–0.42 in females, respectively. Posterior flask-shaped oesophagus; measures 0.10–0.11 in length in males and 0.09–0.10 in females. Nerve ring at 0.27–0.29 in males and 0.34–0.361 in females from anterior extremity. Excretory pore at 0.51–0.53 in males and 0.66–0.672 in females from anterior end.

**Male:** Length 2.0–2.2; maximum thickness 0.10–0.11. Testis tubular. Spicules two, well-chitinized, subequal and dissimilar. Left spicule 0.12–0.15 long, proximal end conical and distal end blunt. Right spicule 0.085–0.10 long, both ends are blunt. Spicule ratio 1 : 1.41–1.50. Gubernaculum, a concave triangular structure; measures 0.02–0.04 in length. Six pairs of small, sessile and postcloacal papillae present. Tail straight and tapering, 0.35–0.40 long.

**Female:** Length 2.3–2.7; maximum thickness 0.11–0.12. Didelphic and viviparous. Vulva postequatorial at 1.35–1.42 from anterior extremity. Vagina short, lined with thick and transparent cuticle, opening directly into uterus. Ovaries a short tube continuous with a distal end of each horn of uterus. One or two well-developed larvae are present in the uterus and two or three eggs in progressive stages of development in oviduct. Tail 0.47–0.50 long and tapering.
Fig. 1. *Probstmayria nainitalensis* n. sp. a. an adult male; b. an adult female; c. anterior end (male); d. spicules and gubernaculum; e. en-face-view.

Host: *Macaca mulatta* (Zimmermann)
Location: Rectum
Locality: Nainital, India
Type specimens: Specimens are deposited at Zoological Museum, University of Jodhpur, Jodhpur, India.

DISCUSSION

Probstmayr (1865) described a pinworm, type as *Oxyuris vivipara* from equines. But later, Ransom (1907) assigned a new name *Probstmayria vivipara* (Probstmayr, 1865) to the same form of the worms collected from the horses of the United States. Theiler (1923), while