TPR
Trends in Parasitology Research
An International Peer-Reviewed Journal

www.sciencejournal.in

A NEW RECORD *TYLOCEPHALUM GOVINDI* SP.NOV. (CESTODA-LECANICEPHALIDAE) IN *TRYGON SEPHEN*, FROM URAN, SINDDHUDURG DISTRICT (M.S) INDIA

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ABSTRACT
The present communication deals with description of new species of genus *Tylocephalum govindii* Sp.Nov. in having testes number 50-55 comes closer to *T. squatinae, T. hanumanthraoae, T. campanulatum, T. mehdii, T. girindrai,* however it differs from them in shape and size of Scolex presence or absence of accessory suckers, number of testes , shape and position of overy, shape and position of vitellaria.

KEY WORDS: Intestine, *Tylocephalum govindii* Sp.Nov., *Trygon sephen,*

INTRODUCTION

The genus *Tylocephalum* is erected by Linton 1890 (1), with its type species *Tylocephalum pingue* from Rhynoptera Quadriloba, woods hole and also recorded from Rhynoptera bonassus. Later on 10 species are added to this genus by various workers in the world. The present form deals with description of a new species as *Tylocephalum govindii* Sp.Nov.

MATERIAL AND METHODS

Fourteen species collected from *Trygon sephen*. All were flattened, Preserved in 4% formalin whole mount slides were prepared for anatomical studies. Drawing was made with the help of camera lucida. All measurements were in millimeter.

DESCRIPTION

The scolex large sqaurish in shape and divided into two regions, anterior region and posterior. The scolex is squarish. The scolex measures 7.38 (7.34-7.42) in length and 6.60 (6.48-6.71) in width. sucker are rounded in shape and posterior side of scolex and measures 0.89 (0.85-0.93) in length and 0.82 (0.78-0.85) in width.

The neck is long measures2.46 (2.42-2.5) in length and 1.44 (1.40-1.48) in width. The mature segment longer than broad and measures 7.03 (7.01-7.05) in length and 1.27 (1.25-1.29) in width. The testes are small, oval 50-55 in numbers, occupying all available intervascular field, measures 0.095 (0.07-0.11) in length and 0.057 (0.38-0.76) in width.

The cirrus pouch small, oval middle of the segment and measures 0.4 (0.38-0.41) in length and 0.20 (0.19-0.22) in width. The cirrus is thin and measures 0.82 (0.80-0.83) in length and 0.057 (0.03-0.07) in width. The genital pore are oval, large, submarginal and measures 0.17 (0.15-0.19) in length and 0.05 (0.03-0.07) in width.

The vagina opens through the genital pores, which is long tube, posterior to cirrus pouch, measures 3.30 (3.05-3.09) in length and 0.05 (0.03-0.07) in width. The ootype is medium, oval in shape measures 0.17 (0.15-0.19) in length and 0.20 (0.19-0.22) in width. Ovary medium in size compact situated in the posterior end of segment, measures 0.4 (0.38-0.41) in length and 0.91 (0.87-0.95) in width. The vitellaria are granular arranged in shape in single row.

RESULT AND DISCUSSION

The worm (*Tylocephalum*. *govindii* Sp. Nov) Figure 1. under discussion differs from *T. squatinae*, in having scolex sub globular, testes 40-45 in number, overy elongated, it further differ from *T. hanumanthraoae*, neck is absent, testes 30-35 in number, overy "H" shaped and vitellaria granular. It also differs from *T. campanulatum* scolex biparatite anteriorly; prominent contractile companulate neck is absent, testes pre ovarion, arranged in irregular longitudinal rows, oval 44 (40-80) per segment, cirrus pouch lachrymiform inclined anterior, genital pore posterior to mid-lateral irregularly alternate, ovary bilobed. *T. mehdii* which is having scolex globular in shape and testes 43-47 in number cirrus pouch oval, bilobed middle of segment, vagina sub marginal, ovary "U" shaped, vitellaria globular. Differs from *T girindrai* scolex anterior region is more or less globular and muscular, neck short, testes 50 in number, cirrus pouch some small and some are longer pre-ovarion, and vitellaria granular.

As the above noted characters are valid enough to erect a new species to accommodate these worms, hence the name ***Tylocephalum*** *govindii* Sp.Nov is proposed in honour of Prof. G.B. Shinde who is well known Helminthologist in india.

Type species	*Tylocephalum. govindii* **Sp. Nov**
Host	*Trygon sephen*
Habitat	Intestine
Locality	Uran, Sindhudurg District West Coast of Maharashtra, India.
Period of Collection	June 2009 to May2011

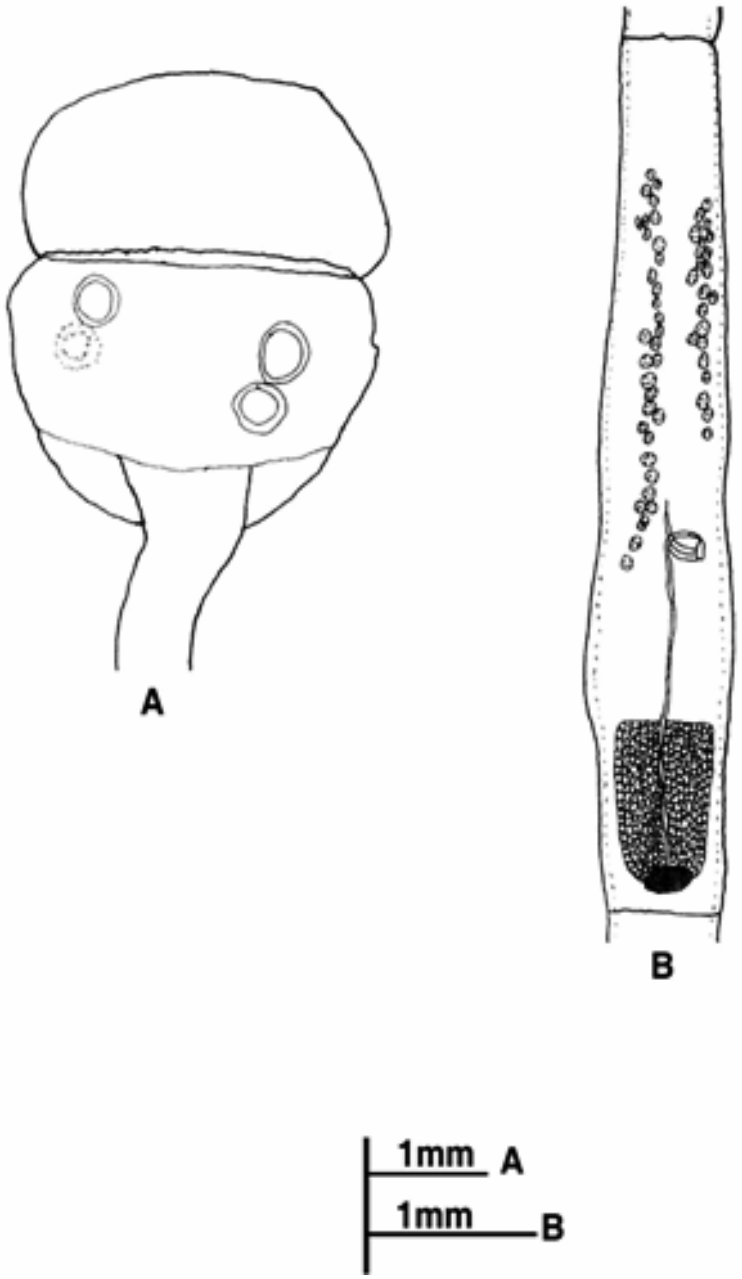

Figure 1. ***Tylocephalum Govindi*** **Sp.Nov. (Cestoda-Lecanicephalidae) in** ***Trygon Sephen*****, from Uran, Sinddhudurg District (M.S) India.**

A) Scolex

B) Mature proglottid

ACKNOWLEDGEMENT

I express my sincere thanks to Prof. and Head, Department of Zoology Dr. Babasaheb Ambedkar Marathwada University Aurangabad, for providing laboratory facilities, and all respected teachers for their valuable guidance and Encouragement.

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