

## ***Podocotyle singhai* (Digenea : Opecoelidae Ozaki, 1925) FROM A MARINE WATER FISH, *Lepturacanthus savala* FROM BAY OF BENGAL, PURI COAST ORISSA, INDIA**

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### **ABSTRACT**

*Podocotyle singhai*, new species has been described from the intestine of a marine fish, *Lepturacanthus savala* from bay of Bengal Puri Coast Orissa. It has been differ from all the species of genus *Podocotyle* Dujardin, 1845. However, it bear's some resemblance to *Podocotyle caithnessi*. Harold W. Manter, 1954 in having Protuberent ventral sucker, contiguous testes, seminal vesicle uncontracted, but differe's from it in having cylindrical aspinose body, rounded ovary instead of tetralobed, absence of vitellaria between the spindle shaped testes instead of lobed.

**Key words :** Digenea, opecoelidae, *Podocotyle singhai*.

The Opecoelidae ozaki 1925 is a large family of digeneans mainly from marine fishes. When marine fishes from previously unsampled areas are studied, unrecognized representatives of the family are often discovered and this work is no exception the family has never been critically reviewed and is in particular need of such review. We short out a taxa. At present paper based on survey of helminth parasites of marine fishes of Bay of Bengal Puri Coast Orissa large collection of digenean were obtained.

### **MATERIALS AND METHODS**

The trematodes were fixed in 70% alcohol using light cover glass pressure and stained in meyer's acitic alum carmine the sketch was made using a camera lucida. All measurements are in millimeters and Length follows width.

### **RESULTS AND DISCUSSION**

Family – *Opecoelidae* (Ozaki 1925)

Sub family – *Plagioporinae*, Manter, 1947

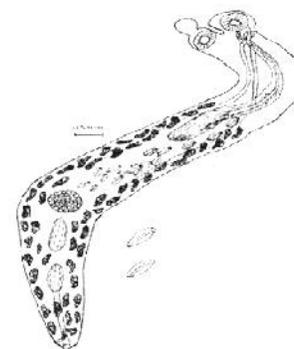
Genus – *Podocotyle* (Pritchard 1966)

New Species – *Singhai*

#### *Description :*

Body extremely long slender 'y' shaped, aspinose, 2.90 x 0.40 with rounded extremities. Oral sucker terminal subspherical, 0.12x 0.13. pharynx well developed,

subglobular 0.05 x 0.06. Pre and post oesophagus relatively short 0.04 x 0.03, respectively. Intestinal bifurcation slightly behind another level of acetabular stalk, 0.05 from anterior extremity ceca simple extending up to middle region. Ventral sucker stalked near anterior extremity sub spherical wider than oral sucker, 0.09 x 0.13.



*Podocotyle Singhai*

Excretory vesicle tubular excretory pore terminal. Genital pore median or sub-Median at level of posterior edge of oral sucker.

Testes post – equatorial, inter cecal, tandem, spindle shaped separated from each other by vitelline follicles, anterior testes 0.24 x 0.08 at 1.94 from anterior extremity posterior testes 0.20 x 0.08 postovarian. Cirrus sac thickly tubular enclosing in seminal vesicle, large developed parsprostatica. Seminal vesicle elongate tubular 0.32 x 0.10 parsprostatica 0.31, surrounded by prostate glanded calls cirrus un armed 0.27.

Ovary pretesticular ovoid or rounded, 0.17 x 0.16. separated from latter by viterarial follicles. Vitellaria follicular commencing from for behind seminal vesicle, intracecal. Uterus extending anterioly to ovary. Egges ovoid operculated 0.05 x 0.02.