

***Phyllodistomum centropomi* sp. n. (Digenea: Gorgoderidae),  
a parasite of the fat snook, *Centropomus parallelus* (Osteichthyes:  
Centropomidae), in the Papaloapan River at Tlacotalpan,  
Veracruz State, Mexico**

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**Abstract**

*Phyllodistomum centropomi* n. sp. (Digenea: Gorgoderidae) is described from the urinary bladder of *Centropomus parallelus* (Osteichthyes: Centropomidae) from the Papaloapan River in Veracruz State, Mexico. This species is distinguished from its congeners in North America, either marine or freshwater, in having the vitelline glands located in a posterolateral position to the ovary and the margin of the hindbody possessing slight undulations with muscular indentations from the level of testes to the posterior end of the body. The new species most closely resembles *P. mayesi* Brooks & MacDonald, 1986, a parasite of *Trachycorystes insignis* in the Río Atrato, in the vicinity of Quibdo, Choco, Colombia, since both possesses postovarian paired vitelline glands, but *P. centropomi* differs by having muscular undulations on the margin of hindbody and an oral sucker/acetabulum ratio close to unity.

**Key words:** Gorgoderidae, *Phyllodistomum*, *Centropomus parallelus*, Digenea, Taxonomy, México.

**Introduction**

Members of *Centropomus* Lacepède, 1802 are important high-level carnivores in Eastern Pacific and western Atlantic coastal waters and associated with estuaries and rivers (Tringali et al., 1999). Six species inhabit several river drainages in the Gulf of Mexico slope: *Centropomus ensiferus* Poey, 1860, *C. mexicanus* Bocourt, 1868, *C. parallelus* Poey, 1860, *C. pectinatus* Poey, 1860, *C. poeyi* Chavez, 1961, and *C. undecimalis* (Bloch, 1792). Particularly, the fat snook, *C. parallelus*, is distributed in coastal waters from southern Florida (USA), along the coast of the Gulf of Mexico to the Atlantic coast