



Acanthocephalans from Australian elasmobranchs (Chondrichthyes) with a description of a new species in the genus *Gorgorhynchus* Chandler, 1934 (Rhadinorhynchidae)

Lesley R. Smales · Diane P. Barton · Leslie A. Chisholm

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Abstract *Gorgorhynchus occultus* n. sp. is described from *Sutorectus tentaculatus* (Peters) (Orectolobidae) collected off Bunbury, Western Australia in 1986. The new species differs from all other species of *Gorgorhynchus* Chandler, 1934 by having a suite of characters including a proboscis hook formula of 18–20 rows of 8–9 hooks, a well-developed neck, irregular circles of small spines in a single anterior field, the male reproductive system limited to the posterior quarter of the trunk and three cement glands.

In a survey of 284 sharks collected between 2015 and 2018 from 10 localities in Australian waters, 11 individuals were infected with acanthocephalan cystacanths. One individual of *Sphyrna mokarran* (Ruppell) (Sphyrnidae) was infected with *Corynosoma cetaceum* Johnston & Best, 1931. *Serrasentis sagittifer* (Linton, 1889) (Rhadinorhynchidae) was found in five individuals of *S. mokarran*, four individuals of *Sphyrna lewini* (Griffith & Smith) and one individual of *Carcharhinus coatesi* (Whitley) (Carcharhinidae).