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Research Note

CONTRIBUTION TO THE KNOWLEDGE OF THE HELMINTHOLOGICAL FAUNA OF VERTEBRATES OF MARICÁ, RIO DE JANEIRO STATE, BRAZIL

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From June 1987 through July 1988 periodical excursions were made to Maricá, Rio de Janeiro State to capture vertebrates and evaluate their helminth fauna, since there are only a few references on it. Previously S. S. Rodrigues (1974, *Atas Soc. Biol. Rio de Janeiro, 17:* 59-61) described the nematode *Raphidascaris atlanticus* Rodrigues, 1974 parasite from the intestine of *Sardinella* sp.; B. Fernandes & S. V. Souza (1974, *Mem. Inst. Oswaldo Cruz, 72:* 291-292) reestudied the nematode *Acantorhabdias acantorhabdias* Pereira, 1927 from the lungs of *Liophis miliaris* (L.); Z. Faria (1987, *Atas Soc. Biol. Rio de Janeiro, 27:* 11) reported the trematode *Mesocoelium monas* (Rudolphi, 1819) in small intestine of *Tropidurus torquatus* (Wied.).

In this study 105 vertebrates (38 fishes, 42 amphibians, 18 reptiles, 5 birds and 2 mammals) were examined. Nematodes, trematodes, cestodes and acanthocephalans were collected. The results are shown in the Table.

Except for *Raphidascaris atlanticus* Rodrigues, 1974 and *Mesocoelium monas* (Rudolphi, 1819) all helminths are for the first time reported in Maricá.

Specimens were deposited in the Helminthological Collection of the Oswaldo Cruz Institute under the nos. 30,978, 31,791, 32,348-32,350, 32,440, 32,457-32,478.

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TABLE

Helminths of vertebrates from Maricá, RJ

Hosts	Number of necropsies performed	Prevalence	Helminths	Site of infection
FISHES				
		3.3	*Raphidascaris atlanticus* Rodrigues, 1974 (N)	Stomach
Sardinella sp.	30	10.0	*Parahemiurus merus* (Linton, 1910) (T)	Stomach
		13.3	*Myosaccium ecaude* Montgomery, 1957 (T)	Stomach
		3.3	Tetrarhynchidae (larval form) (C)	Liver
Centropomus sp.	06	16.7	*Acantocollaritrema umbilicatum* Travassos, Freitas & Buhrnheim, 1965 (T)	Intestine
Micropogonias sp.	02	0		
AMPHIBIANS				
		2.8	*Aplectana* sp. (N)	Large intestine
		31.4	*Rhabdias* sp. (N)	Lung
		5.7	*Glyptelmins palmipedis* (Lutz, 1928) (T)	Small intestine
Leptodactylus ocellatus (L.)	35	5.7	Cosmocercinae (larval form) (N)	Small and large intestine
		8.5	Centrorhynchidae (juvenile form) (A)	Stomach and small intestine
		8.5	*Oxyascaris oxyascaris* Travassos, 1920 (N)	Small intestine
		20.0	*Glyptelmins linguatula* (Rudolphi, 1819) (T)	Small intestine
		2.8	*Ophiotaenia bonariensis* Szidat & Soria, 1954 (C)	Small intestine
		14.2	*Glyptelmins palmipedis* (Lutz, 1928) (T)	Small intestine
		14.2	*Aplectana membranosa* (Schneider, 1866) (N)	Large intestine
Bufo marinus (L.)	07	42.8	*Mesocoelium monas* (Rudolphi, 1819) (T)	Small intestine
		42.8	*Rhabdias* sp. (N)	Lung
REPTILES				
Tropidurus torquatus (Wied.)	03	33.3	*Paradistomun parvissimun* (Travassos, 1918) (T)	Liver and bile duct
		33.3	*Mesocoelium monas* (Rudolphi, 1819) (T)	Small intestine
Ameiva ameiva (L.)	*03*	0		
Liolaemus lutzae Mertens, 1938	04	0		
Hemidactylus mabouia (Moreau de Jonnès)	07	28.6	*Parapharyngodon* sp. (N)	Large intestine
Dryadophis bifossatus (Raddi)	01	100	*Kalicephalus c. costatus* (Rudolphi, 1819) (N)	Small intestine
BIRDS				
Gallus gallus domesticus (L.)	02	50.0	*Ascaridia galli* (Schrank, 1788) (N)	Small intestine
Passer domesticus (L.)	01	100	*Choanotaenia* sp. (C)	Small intestine
Columbigalina t. talpacoti (Tem. & Knip)	02	0		
MAMMALS				
Canis familiaris L.	01	100	*Toxocara canis* (Werner, 1782) (N)	Small intestine
Mus musculus L.	01	100	Heterakinae (larval form) (N)	Large intestine
		100	Filariidae (larval form) (N)	Abdominal cavity
Total	105			

N = nematode, T = trematode, C = cestode, A = acanthocephalan