

## PREVIOUS SURVEY OF HELMINTOFAUNA FROM *DASYPUS NOVEMCINCTUS* LINNAEUS, 1758

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**KOSLOWISK; Karina <sup>1</sup>, JR; Arnaldo MALDONADO <sup>2</sup>, BUENO; Cecília <sup>3</sup>**

### RESUMO

*Dasyopus novemcinctus*, popularly known as nine-banded armadillo, is considered common for its wide geographical distribution. In Brazil most of the studies regarding on this specie is related to the importance as a zoonotic agent for different parasites. However, studies about endoparasites in *D. novemcinctus* are still scarce, especially in Atlantic Forest. This research aims to carry out a survey of endoparasites from nine-banded armadillo roadkilled individuals found on highways in southeastern Brazil. The carcasses were collected and frozen. Necropsies were performed at the Ecology Laboratory of the Veiga de Almeida University, and the specimens of endoparasites were identified at the Biology and Parasitology Laboratory of Wild Reservoir Mammals at Fiocruz. Furthermore, the survey of literature was carried out using keywords one SciELO and Google Scholar platforms. Despite the extensive literature search, few studies of report and description of nematods from *D. novemcinctus* have been found: Nematoda: Heterakoidea: (*Aspidodera ansirupa*, *Aspidodera binansata*, *Aspidodera fasciata*, *Aspidodera vazii*); Trichostrongyloidea: (*Delicata variabilis*, *Macielia flagellate*, *Macielia complexus*, *Macielia macieli*, *Macielia pintoii*, *Macielia littlei*, *Moennigia lutzi*, *Moennigia filamentosus*, *Moennigia moennigi*, *Hadrostrongylus ransomi*, *Hadrostrongylus speciosum*); Spiruroidea (*Ascarops* sp., *Physocephalus* sp., *Mazzia mazzia*, *Dipetalonema* sp); Physalopteroidea (*Physaloptera* sp.); Seuratoidea (*Schneidernema retusa*, *Ascaroterakis pulchrum*); Ascaridoidea (*Bairdascaris dasypodina*), Trichinelloidea (*Capillaria* sp.), Cosmocercoidea (*Cruzia* spp.); Filarioidea (*Dipetalonema* sp.) Acanthocephala (*Oncicola canis*; *Centrorhynchus* sp.; *Hamanniella* sp.), Cestoda: (*Oochoristica* sp., *Mathevotaenia surinamensis*) Strongyloides *ratti* Trematoda: *Brachylaemus virginianus*. We collected and necropsied 25 roadkilled *D. novemcinctus* individuals in this study which five individuals were not observed helminths. The 20 positive individuals were observed six Nematode morphotype - morphotype 1, morfotipo 4, Trichostrongylidae (morfotipo 2), Trichostrongylidae (morfotipo 3), *Aspidodera* sp., and Spirurida (Nematoda), and two Acanthocephala - *Macracanthorhynchus* sp. (Acanthocephala), Acanthocephala (cistacanto or juvenal). Our preliminary results contribute to the knowledge of the helminth from *D. novemcinctus*, reporting a new genus *Macracanthorhynchus* sp. With the continuation of the studies it is intended to identify the species found, expanding the knowledge of the endoparasitic fauna of *Dasyopus novemcinctus*.

**PALAVRAS-CHAVE:** Roadkill, Wild mammal, Parasites, Nine-banded armadillo,

<sup>1</sup> Universidade Veiga de Almeida, karinaakoslowisk@hotmail.com

<sup>2</sup> Núcleo de Estudos de Vertebrados Silvestres, arnaldomaldonadojunior@gmail.com

<sup>3</sup> Laboratório de Biologia e Parasitologia de Mamíferos Silvestres Reservatórios, cecilia.bueno@uva.br

