



South American Monogenea—list of species, hosts and geographical distribution from 1997 to 2008

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Abstract

A list of 135 monogenean species is presented updating the papers published by Kohn & Cohen (1989) and Kohn & Paiva (2000), increasing to 658 the number of known species in South America. After 1997, 104 monogeneans had been described as new species: 65 from Brazil, 13 from Argentina, 10 from Venezuela, 04 from Chile, two from Guyana, one from French Guyana, Peru and Uruguay each. Some species had been originally described in the same publication from more than one country: 04 from Brazil, Peru and Venezuela, two from Brazil and Peru, two from Brazil and Argentina and one from Argentina and Uruguay. More 31 known species had been reported for the first time in South America: 02 from Argentina, 24 from Brazil, one from Colombia and Brazil, one from Chile and Peru, one from Surinam and Brazil and two from Peru. It was also included in the present paper, 62 species which were already listed in Kohn & Cohen (1998) and reported after 1997 in different South American countries. From, Ecuador, Falkland, Galapagos and Paraguay none species had been reported in this period. A host-parasite list is also presented.

Key words: Monogenea; South America; freshwater and marine fishes; amphibians

Introduction

Check-lists and catalogues of Monogenea from South America had been published by Nasir & Fuentes (1983) for Latin America, Kohn & Santos (1989) for Brazil, Thatcher (1991) and Boeger & Vianna (2006) for the Neotropical Region and Kohn & Cohen (1998) and Kohn & Paiva (2000) for all South American countries.

The aim of this paper is to update the list of species, hosts and geographical distribution of South American Monogenea published by Kohn & Cohen (1998) and Kohn & Paiva (2000).

Material and methods

The species of Monogenea of each country are presented in alphabetical order, followed by hosts and localities. The gills are the site of infection of all species, unless otherwise stated. The survey is based on bibliographic sources. Mention of the monogenean and host species in this list does not imply that the authors agree with their validity or taxonomy. The species referred to in theses and scientific meetings do not constitute formal publications and are, consequently, not considered herein.

The fishes are listed in the families phylogenetic order, but the species of each family are presented in the alphabetical order of their genera, continued by the monogenean species of each country/region. The adopted valid names of parasitized fishes, follow the most recent bibliography and sometimes do not correspond to the