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Anibal FF, DejaniNN, Souza LC, Oliveira SR, Neris DM, Rodolpho JM, Correia RO, RodriguesV, Sacramento LV, Faccioli LH and Afonso A 8 Q L Y H U V L W \ R I 6 m R 3 D X O R % U D] L O

Shistosomiasis is a chronic disease caused by an intravascular trematode of the genus Schistosoma. Praziquantel (PZQ), and an intravascular trematode of the genus Schistosomia. Praziquantel (PZQ), and an intravascular trematode of the genus Schistosomia. Praziquantel (PZQ), and an intravascular trematode of the genus Schistosomia. Praziquantel (PZQ), and an intravascular trematode of the genus Schistosomia. It is now facing the threat of drug resistance, indicating the urgent need for new elective compounds to treat this disease. In this work we investigated the immunomodulatory and antiparasitic elects of the piperi and L. (peppermint) on murine Schistosomiasis mansoni. Female Balb/c mice were infected each with S. mansoni cercariae and divided into three experimental groups: (I) untreated; (II) treated daily with M. piperi L. and (III) treated on 1/42/43 days post-infection with Praziquantel. Another group with uninfected and untreated mice was used as a control. Subsequently, seven weeks post-infection, eggs were counted in the feces and intestine. Worms were recovered by perfusion of the hepatic portal system and counted. Se levels of IL-10, IL-13, IFN-_ were assayed by ELISA. Animals treated with a daily dose of MLpstrowed increased sera levels of IL-10, IFN-_, IgG2a and IgE. Besides, M. pipleritreatment promoted reduction in parasite burden by 35.2% and signi cant decrease in egg counts in the feces and intestine. Moreover, the treatment appears to involve liver modulation a er the onset of granuloma in ammation, and prevent liver brosis.

Biography

Anibal FF had completed her PhD from University of São Paulo, Brazil in Basic and Applied Immunology. As Principal Investigator, Laboratory of Parasitology

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and six enzymes and their effects against schistosomiasis mansoni and toxocariasis, about the treatment of the infectious diseases, their group studies effects of
SODQWV H[WUDFWV DQG WKHLU LVRODWHG IUDFWLRQV LQ RUGHU WR HYDOXDWH WKH DQWL SDUDVLWL
been working on the evaluation of the proteins of the parasite that has been potential to induce immune responses that decrease the parasite burden.

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