

Occurrence of nematodes and trematode cercaria lymnea species of Danmadahun part of Jakara dam, Kano state Nigeria

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Freshwater snails are important in the transmission of parasitic diseases. The different parts of Jakara dam harbor different species of snails but very few cercarias have been recovered until now. Most studies carried out on the dam focused only on the presence of snails and prevalence of infection among the communities surrounding the dam. Cercarias are the free swimming larval stage of flukes of schistosomiasis and Fascioliasis. So the knowledge of their presence is important in decreasing transmission. Different snails can carry the same type of cercaria and a single snail can carry more than one type of cercaria. Only cercariae were recovered in previous studies and in other parts of the dam. The occurrence of nematodes and cercaria in lymnea species are reported for the first time in Jakara dam. In this

seminar, the author will discuss the method the author has used to stimulate cercarial shedding and in the process encountering nematodes also.

Speaker Biography

Rabi Suraj Duwa has her expertise in schistosomiasis and snail intermediate hosts and has passion for improving the health and wellbeing of children suffering from schistosomiasis in Kano state. During one of her earlier researches she determined the prevalence of schistosomiasis and the efficacy of praziquantel in the treatment of schistosomiasis (PhD Thesis). As she visits the dam sites for snail intermediate hosts or schools to reassess the prevalence of schistosomiasis she helps to enlighten the pupils and visitors to the dam on the dangers of coming in contact with the polluted water. She has years of experience in research and teaching in a health institution (School of Health Technology) and the university (Nigeria Police Academy). Her previous work helped her to show why schistosomiasis is prevalent in Kano state and almost reaching an endemic state.

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