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Prevalence of Intestinal Schistosomiasis among Basic School Children in White Nile Sugar Scheme a New Irrigated Project, White Nile State, Sudan

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Abstract

Intestinal Schistosomiasis is one of the most public health problems caused by blood-dwelling flukes in the world especially where irrigated Schemes established with bad sanitation. The objective is to determine the prevalence of intestinal schistosomiasis among school children in White Nile State-El Qeteena Locality, Sudan. A school-based descriptive study design was conducted among basic school children at White Nile sugar scheme, El Qeteena locality during the period December 2014 to April 2015. A standardized administered questionnaire was developed, then pre-tested and used for data collection and stool examination was done for a total of 480 school children were selected. The collected data through the questionnaire and the checklist were analyzed using the SPSS. The overall prevalence of intestinal schistosomiasis was 25.6%. The highest prevalence of S. mansoni was reported in the age group (9-12) years 47.2% followed by the group over 12 years (31.7%). The overall prevalence of (15.4%) for female and (84.6%) for the male. Inadequate numbers of latrines with bad sanitation were the main risk factors associated with the disease transmission. On the basis of the results and according to the statistical analysis there was a relation between environmental sanitation and the prevalence of infection. The intestinal schistosomiasis infection is important health problem among school children and further control program must be done in the area of the study.

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