

Parasitic infections: The major cause of human affliction and death in the global

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Abstract

Objectives: Parasitic infections have been with humankind since time immemorial. Even today, these are the major cause of human affliction and death in the global. School children have great impact on intestinal parasite control in the future. This study aims to assess intestinal parasitic infection among school children of age below five years in Dharan, Nepal, which could help to decrease morbidity and mortality in children. A cross sectional study was conducted from April to September 2019. Stool specimens were collected and examined using concentration method.

Results: Of the 116 under-five children participated, intestinal parasitosis was seen in (7.76%) of the people. They infected at list one or more protozoan parasite (4.31%) and helminthes (3.45%) respectively. Entamoeba histolytica (1.72%), Giardia lamblia (1.72%) and Hook worm (1.722%) were the most common parasite followed by Entamoeba coli (0.87%), Ascaris lumbricoids (0.87%) and Hyamenolepsis nana (0.86%). This showed that intestinal parasites affect the health of children under 6 years. Hence, it is requisite to amplify the health education, personal and environmental hygiene of children. Besides, proper treatment of water, encourage defecating only in latrine and improving awareness about the mode of intestinal parasites transmission is crucial.

Keywords: Parasite, Protozoa, Helminth, Under-five children, Dharan.



Biography:

Dhiren Subba Limbu has completed his Msc in Public Health Microbiology under the affiliation of Central Campus of Technology Nepal. Research interests are Antibiotic Resistance Patterns, Bacterial Pathogens and Microbiology etc. Having experience in Microbiological studies.

Speaker Publications:

1. “Antibiotic resistance patterns of Staphylococcus aureus, Escherichia coli, Salmonella, Shigella and Vibrio isolated from chicken, pork, buffalo and goat meat in eastern Nepal”
- 2 “Food-borne bacterial pathogens in marketed raw meat of Dharan, eastern Nepal”

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