



The Hematological and Biochemical Effect of the Gastrointestinal *Entamoeba histolytica* in District Meerut (U. P.)

Praveen Kumar*

Department of Zoology, D.N. College, Meerut (U. P.), India

Abstract

Entamoeba histolytica represent one of the leading causes of parasitic diseases. Invasive Amoebiasis caused by *Entamoeba histolytica* is a global health problem. In the present study a survey was carried out from urban and rural population of Meerut District. For this present study the samples of stool were collected. The collected stool specimens were examined microscopically for the presence of eggs, cysts and trophozoites of intestinal parasites, using direct saline smear and concentration method for the confirmation of parasitic positive patients. The persons having any cysts/ova/trophozoites/whole parasite were treated as parasitic positive. Parasitic positive patients were subjected for hematological and biochemical examination. T-Square test was applied for analyzing the data. This study would also helpful in the designing antiparasitic agents in the terms of malnourished patients with single of concurrent infections and fulfilling the national needs and human health hazards which are the most urgent and serious problem to tackled at the present-day conditions.

K

I

histolytica

Entamoeba

13. Kumar P (2021) Intestinal Parasitism and Related Risk Factors in the Vicinity of Khurja, Bulandshahr, (U.P.). *IJCRT*, 9: 1866-1873.
14. Kumar P, Singh R B (2022) Epidemiology of Intestinal Parasitosis in Meerut District (U.P.). *IJERMDC* 9: 1.
15. Bhandari B, Gupta GP, Mondowara SL (1985) Prevalence of intestinal parasites in Udipur. *Ind Jour Ped* 52: 299.
16. Chatterjee KD (1996) *Parasitology (Protozoology and Helminthology) in Relation to Clinical Medicine*. Tweleth Edition.
17. Faarah AZ, Preston SH (1982) Child mortality differentials in Sudan. *Pop and Dev Rev* 8: 365-383.
18. D' Souza A, Bhuiya A (1982) Socio-economic mortality differentials in rural area of Bangladesh. *Pop and Dev Rev* 8: 753-769.
19. Da Vanza J (1983) A household survey of child mortality determinants in Malaysia Workshop on child survival strategies for research, Italy.
20. Majumdar AK, Islam SMS (1993) Socio-economic and environmental determinants of child survival in Bangladesh. *J Biosoc Sci* 25: 311-318.
21. Spencer N (1996) *Poverty and child health*, Oxford. U.K. and New York. NY: Radelif Medical Press 74-94.
22. Arthue Chou, Richard L, Austin Jun (2022) *A Book: Amoebiasis*. Star Prarls (Internet) Treasure Island (FL): Stat Pearls Publishing.
23. Chelsea Marine, William A (2014) Regulation of virulence of *Entamoeba histolytica*. *Petri Jr* 68: 493-520.