Parasites Associated With Human Immune-Deficiency Virus (HIV) Infection in Assiut University Hospitals, Egypt

Dyab AK1 Gaber MA Hassan TM El Kady AM Badary DM Mahmoud HS

Abstract:

Abstract Parasitic infections represent a major public health problem in immunocompromised individuals especially in HIV patients. Objective: To throw light on the parasites associated with HIV infection in the local community. Methods: The present study evaluated patients 10 HIV positive male patients who were admitted at Assiut Tropical Medicine and Assiut University Hospitals, Egypt, between January 2015 and 2016. All of them were diagnosed by the Egyptian ministry of health and received the antiviral treatment. 8 patients were complaining of diarrhea, one patient was Sudanese with two resistant skin ulcers not responding to medical treatment so he came to Assiut tropical hospitals to be diagnosed and treated, one patient, with history of travelling to Uganda, was complaining of irregular fever and jaundice, the last patients was complaining of persistent cough not responding to known antimicrobial medications. So two samples of stool were collected from each patients, together with sputum and a whole blood sample. Skin scrap and biopsy were taken from any existing skin lesions. Results: 9 out of 10 HIV positive patients had parasitic infections, 5 patients had single parasitic infection while 4 patients had mixed infections with more than one parasite. Parasitic infections were in the form of Cryptosporidiumspp (6 patients), Giardia lamblia (4 patients), Leishmania tropica(one patient), Plasmodium falciparum(one patient) and Pneumocystis carinii(one patient). Conclusions: This is a study of parasitic infections in HIV positive patients were admitted at Assiut Tropical Medicine and Assiut University Hospitals, Egypt. HIV infection has modified the records of parasitic infection as well as outcome of diseases caused by parasites, probably through immune modifications.

Keywords:

HIV, Opportunistic parasites, Assiut Tropical Medicine Hospitals, Egypt

Published In:

Madridge J Vacc., Volume 2 • Issue 1 • 1000110 , 49-54.