



شبكة المعلومات الجامعية
التوثيق الإلكتروني والميكروفيلم

بسم الله الرحمن الرحيم



MONA MAGHRABY



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شبكة المعلومات الجامعية التوثيق الإلكتروني والميكروفيلم



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التوثيق الإلكتروني والميكروفيلم

جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

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كلية التربية النوعية
شئون الدراسات العليا والبحوث

Ain Shams University
Faculty of Specific Education
Home Economic Department

Study the effect of some plants on *Entamoeba histolytica* and *Giardia lamblia* in vivo

THESIS

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Abstract

Study the effect of some plants on *Entamoeba histolytica* and *Giardia lamblia* in vivo

Numerous protozoon species parasitize the intestine of humans, and some of them are *Giardia lamblia* and *Entamoeba histolytica*, cause a remarkable quantified disease burden, particularly in the humid tropics. Scientific evidence is accumulating that many of these herbs and spices do have medicinal properties that alleviate symptoms or prevent disease. A growing body of research has demonstrated that the commonly used herbs such as cinnamon, ginger, pumpkin, mint and pomegranate peel against *Entamoeba histolytica* and *Giardia lamblia* in vivo. The study included 70 patients with age range from (5-15) years. Blood and stool samples were collected from 70 them were the infected with *Entamoeba histolytica* and *Giardia lamblia* patients. The parasite diagnosis done by microscopic examination, a blood sample was taken from each one to evaluate the Lipid profile, Kidney function, Liver function measurement by spectrophotometric method. The results indicated: the pomegranate peel group had significantly reduced the plasma level of TG and the ratio of LDL-c and significantly increased of HDL-c level. All treatment groups have AST, ALT, serum urea and creatinine lower than the groups fed on medical treatment group (Metronidazole). We confirmed the potential therapeutic effects of cinnamon, ginger, pumpkin, mint and pomegranate peel against *Entamoeba histolytica* and *Giardia lamblia* in vivo.

Key Words: *Entamoeba histolytica*, *Giardia lamblia*, cinnamon, ginger, pumpkin, mint and pomegranate peel.

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