Protective role of magic fruit and honey bee against human hepatocarcinogenesis

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Abstract

Introduction: Hepatitis C is an infectious disease that affects the liver. Its complication is a major high risk groups that may be lead to hepatocellular carcinoma HCC, so natural prevention is required. The combination of magic fruit and honey bee was used in the treatment of HCV patients were treated with 4 gm from Magic fruit and 1 gm from Honey bee 3 times daily for three months.

Patients & Methods: Our group study was conducted on 50 patients with chronic hepatitis C (the male number was 35 while the female was 15; the median age was 45 years) was taken from the outpatient clinics of National Cancer Institute, Egypt.

Results: The mean values of virus C level, which was determined by real time PCR and FoxP3 protein which was measured by ELISA in sera of patients with chronic hepatitis infection (CHI), showed highly significant decrease after treatment. Hence the results have shown improvements in liver function, kidney function, and CBC tests for the HCV patients post-treatment. Moreover the results also revealed that, highly significant decreased of CD4 + CD25 expression by flow cytometric analysis was observed in the mononuclear leukocytes isolated from the patients after treatment.

Conclusions: A combination of magic fruit and honey bee could be useful protective natural agents against human hepatocarcinogenesis induced by HCV infection. Further study is strongly recommended for large populations and prolonged treatment for 9-12 months.

Biography

Mofeed M Selim has completed his PhD from Mansoura University (January 2018). He is currently a Consultant of Medical Laboratory at the National Cancer Institute of Cairo University. He has published 3 papers in reputed journals.

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