

## Protective role of magic fruit and honey bee against human hepatocarcinogenesis

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### Abstract

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 and 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 NCI, Egypt.

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 patient's post- treatment. Moreover the results revealed also that, highly significant decreased of CD4 + CD25 expression by flow cytometric analysis was observed in the mononuclear leukocytes isolated from the patients after treatment.

A combination of magic fruit and honey bee could be useful protective natural agents against human hepato carcinogenesis 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.

[3<sup>rd</sup> Global Expo on Cancer and Oncology Research | July 30, 2020](#)

**Citation:** Mofeed M. Selim, Protective role of magic fruit and honey bee against human hepatocarcinogenesis, Cancer Summit 2020, 3rd Global Expo on Cancer and Oncology Research, July 30, 2020, 02