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Early occurrence and recurrence of hepatocellular carcinoma in hepatitis C virus related cirrhosis treated with direct-acting antivirals

Introduction & Objective: Hepatitis C Virus (HCV) infection is a major leading cause of chronic hepatitis, liver cirrhosis and Hepatocellular Carcinoma (HCC). The new Direct-Acting Antivirals (DAAs) are very effective and well-tolerated with achievement of sustained virological response rates in more than 90% of patients with HCV infection. However, several studies have raised concerns about the risk of HCC in HCV patients treated with Interferon (IFN)-free DAA-based therapy, although other studies have failed to support these results. The objective of the study is to detect the association between DAA exposure and HCC occurrence and early recurrence in HCV-related liver cirrhosis.

Method: A follow up study was conducted on 200 patients with HCV infection treated with DAA-based therapy. Abdomen ultrasonography was performed before treatment and 3 months after treatment.

Results: HCC was found in 11 patients (5.5%) after. Recurrence was found in 6/20 patients (30%) who had previous history of HCC while de novo HCC occurrence was found in 5/180 patients (2.78%). Liver fibrosis, previous history of HCC and lower platelet count had significant, independent association with HCC recurrence.

Conclusion: It is difficult to treatment say if DAA had an influence on the appearance of HCC. A close follow-up with ultrasonography is necessary. Multicenter studies with greater sample size are essential to clarify this issue.

Biography

Ghweil Ali Abdelrahman was a Resident of (Tropical medicine and Gastroenterology) for three years .He worked as a Clinical demonstrator and assistant lecturer of Tropical medicine and Gastroenterology, Sohag University. He was working as a Lecturer of Tropical medicine and Gastroenterology, South Valley University. Currently, he is the Head of Tropical Medicine and Gastroenterology department, South Valley University. He is also a member of the European Society of Liver Diseases (EASL).