

Type 2 Diabetes Mellitus as A Risk Factor for Development of Hepatocellular Carcinoma: Case-Control Hospital Based Study

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Abstract

AIM: To study the relationships between Type 2 diabetes mellitus (DM2) and the risk of hepatocellular carcinoma (HCC).

METHODS: We studied the association between DM2 and HCC in a large case-control study that enrolled 255 Egyptian patients with HCC (71.4% males, mean age 62± 10.2 years) matched for age and sex and free from hepatocellular carcinoma 305 patients constituted the control group.

RESULTS: Prevalence of DM2 was significantly higher in HCC patients (29.1.2% vs 10.2.7%; OR = 3.35 95%CI: 1.31-3.29.).The highest prevalence of diabetes was found in patients with hepatitis C was 30% followed by hepatitis B infection 20%.

CONCLUSION: DM2 in our patients is associated with a 3-fold increase risk of HCC so that we encourage prompt screening for HCC in diabetic patients with cirrhosis.

Key words: type 2 diabetes ,hepatocellular carcinoma ,insulin resistance

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Biography

Professor Dr Ibrahim El- Bayoumy holds bachelor of medicine and surgery (Tanta faculty of medicine-Egypt,1989),then he earned his master degree in public health, preventive and social medicine (Tanta faculty of medicine-Egypt1996),and MD,PhD in public health ,preventive and social medicine 2003 from Tanta faculty of medicine-Egypt and McGill faculty of medicine –Montreal -Canada in division of clinical epidemiology in Royal Victoria hospital through double channel system as scholarship from ministry of education-Egypt. He is a Full professor of public health and community medicine in Tanta faculty of medicine-Egypt since November 2016. Now he is working in ministry of health in Kuwait as consultant

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Dr El-Bayoumy has published many research works in international journals, he is interested in research in epidemiology of infectious diseases like HIV, tuberculosis, brucellosis and infectious hepatitis ,he is interested in epidemiology of chronic diseases like diabetes mellitus and its health economics ,obesity and cancer and pharmacoepidemiology. He is a reviewer of many national and international journals.

He has obtained post-graduate Master degree in diabetes care and education-Dundee faculty of medicine, Scotland, UK on October 2015. He is a lecturer and tutor of post graduate public health studies since March 2021 in university of South wales, UK. He was invited speaker in many international conferences in China, South Korea, Japan and Hong Kong.