

7th World Congress on PUBLIC HEALTH AND NUTRITION

February 09-10, 2022 | Webinar

Liver diseases in type I Diabetes mellitus**Manal Hamdy El Sayed, Mohamed Tarif, Rasha Adel Fathy Thabet and Maha Mohammed El Saeed***Ain Shams University, Egypt*

Diabetes mellitus is a group of metabolic diseases characterized by chronic hyperglycemia resulting from defects in insulin secretion, insulin action, or both. Metabolic abnormalities in carbohydrates, lipids, and proteins result from the importance of insulin as an anabolic hormone. The aim of this study is to determine liver diseases in children and adolescents with type 1 diabetes mellitus by detection of elevated liver transaminases and confirmed by fibroscan and ultrasound. This cross-sectional study was carried out on 107 children and adolescents with type 1 diabetes mellitus attended the Pediatric Diabetes Clinic, Pediatric Hospital, Ain Shams University. An informed consent was obtained from each patient or control or their legal guardians before enrollment in the study. All patients subjected to do liver transaminases kinetically done, HbA1C level of 2 readings in the previous year by cobas 6000 (Roche company), US ABD it was done by real time high-resolution scanner (Fukuda Denshi FF sonic UF-4100) and rapid test of HCV using (RAPID CARDIO TEST), fibroscan done only for patients with elevated transaminases and hepatomegaly was performed using ultrasound transient elastography (Fibroscan, Echoscans, Paris, France. Only (0.9%) of patients were HCV +ve; while the median value of AST level was (20) U/L, ALT level was (20) U/L, HbA1C level was (8.7) mg/dl. 91.6% (98) of our patients have normal liver enzyme while only 8.4% (9) of them have elevated liver enzymes.

Biography

Maha Mohammed El Saeed, obtained her PhD in Parasitology in 1994 from same university. In past she worked as Demonstrator in Parasitology, Assistant Lecturer, Lecturer, Assistant Professor at Alexandria University, Egypt. She is member of editorial board in number of journals and peer reviewer to international journals.