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Serum CA19-9 level associated with metabolic control in diabetic patients

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Carbohydrate antigen Ca19.9 is a tumor marker for some types of pancreatic cancers; this marker may be associated with type 1 and type 2 diabetes. The objective of this study is to investigate the relationship between the CA19.9 marker and the level of HbA1c in diabetes patients in comparison with age and sex-matched control subjects. We evaluated the plasma level of CA19-9 and HbA1C percentages in diabetic

patients using respectively by high-performance liquid chromatography and ELIZA methods. Our results showed a significant positive correlation between two parameters. The elevated serum CA19.9 level in diabetic patients may indicate further investigations of glycerin control and pancreatic beta cell function in diabetic patients.

Biography

Radia Boufermes has completed her PhD at the age of 45 years from Houari Boumedienne University of Science and Technology (USTHB) in Algiers (Aleria), with the collaboration of National Institute for Agronomic Research (INRA) University of Caen Normandy in France. She is the teacher researcher since 2000 at Badji Mokhtar University of Annaba (Algeria). She has published two research papers in reputed journal.

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