

Measuring the level of irisin hormone and triglycerides for patients with type 2 diabetes in Sulaymaniyah Governorate

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The study was conducted on patients with type 2 diabetes in Sulaymaniyah Governorate for the period from September 2018 to May 2019. The aim of the study was to evaluate the level of irisin hormone and triglycerides in both males and females with type 2 diabetes and compare them with healthy people. As (50) blood samples were collected from people in Sulaymaniyah governorate, which included two groups and by (30) samples from people with diabetes (males and females) and (20) samples from healthy people (males and females), which were considered as a control group, their ages ranged between 30 and 60 years old. The estimation of the concentrations of both irisin hormone, and triglycerides was studied, where the patients were divided into two groups, the first group whose ages ranged from (30-45), the second (45-60). The results showed a significant increase ($P \leq 0.05$) in the concentrations of irisin hormone in Blood serum in patients with type 2 diabetes compared to its concentrations in healthy subjects. Also, there was no significant difference in the concentrations of irisin hormone, triglycerides between male and female patients with type 2 diabetes. The results also indicated that there was a significant difference at the level ($P \leq 0.05$) in the concentrations of triglycerides in the blood serum of patients with type 2 diabetes compared to its concentrations in healthy people. On the other hand, there was no significant difference in the concentrations of irisin hormone, triglycerides, between the two age groups of patients with type 2 diabetes.

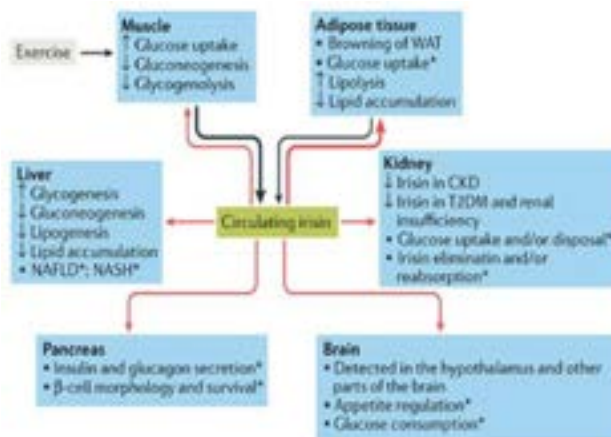


Figure: Potential role of Irisin

Biography

Chateen I. Ali Pambuk born in December 6th-1968 in Kirkuk city Iraq. Married with 3 daughters. He has gained his MSc. and PhD degree in Immunology and Medical Microbiology from college of medicine \ Univ. of Tikrit. He is one of the first founders of the College of Dentistry in Tikrit Univ. He served first as a lecturer in college of medicine \ dept. of Pharmacology \ Univ. of Tikrit. Then a lecturer in Dept. of Medical Microbiology at the same college. He also served as a Head of Oral Microbiology Dept.\College of Dentistry since 1 July 2007 till 2012. Now he is an Ass. Prof. Lecturer in college of Dentistry since 2005. He laid the groundwork for the Immunological research in his University by graduating post graduate students in clinical immunology and interleukin studies in correlation with different diseases. He is an Editorial and Reviewer member in more than 22 scientific international journals (7 are top journals in Scopus and Clarivate web of science database). He has a remarkable record of successful and productive research projects in the area of clinical immunology in Tikrit Univ.