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The study of the association of the resistin gene *RETN* polymorphism with obesity and T2dm in Lebanese diabetic subjects

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Abstract

Resistin has been implicated in the pathogenesis of obesity-mediated insulin resistance and Type 2 Diabetes Mellitus (T2DM). A diversity of SNP's has been identified in the *Retn* gene and found to be associated with obesity and T2DM. The present study was undertaken to investigate the association between intron 2 variant in the *Retn* gene at position +299(G>A) and the levels of resistin, glucose and insulin in three groups of subjects (normal, obese and obese diabetic). The obtained results showed no significant difference in the genotype and allele frequencies distribution between obese, obese diabetic and normal. We conclude that the +299(G>A) *Retn* gene polymorphism is not involved in the pathogenesis of Diabetes and obesity in Lebanese subjects.

Biography

Rajaa Fakhoury has completed her Ph.D at the age of 29 years from Manchester University and postdoctoral studies from Manchester University Medical School. She is the Dean of Faculty of Science, Beirut Arab University. She has published more than 30 publications in this field.