-174 G/C polymorphism of interleukin 6 gene in women with type 1 diabetes
Polimorfismo -174 G/C del gen promotor de interleuquina 6 en mujeres con diabetes mellitus tipo 1

Pérez-Bravo, Francisco
Francisca Soto, M.
Patricia López, A.
Francisca Eyzaguirre, C.
Codner, Ethel

Background: A polymorphism located in the promoter region (-174 G / C) of interleukin 6 (IL-6) has been linked to early onset of type 1 diabetes (T1D) and increased body mass index (BMI). Aim: To evaluate the possible association of this -IL-6 gene 174 G / C polymorphism with T1D, BMI and metabolic control in T1D patients in a case-control study. Patients and Methods:-174 G / C polymorphisms were analyzed by polymerase chain reaction and restriction fragment length polymorphism in 145 women with T1D and 103 healthy controls. BMI and BMI-Z-scores were tabulated and metabolic control was recorded. Results: There was a higher frequency for the C allele in T1D patients compared with the control group (21% versus 14.1%, p = 0.047). No significant differences in genotype frequencies for the -174 G/C polymorphism of IL-6 gene between patients with T1D and controls, were observed. There were no significant associations with T1D and BMI. Conclusions: A higher frequency of C allele in women with