# عنوان مقاله:

Correlation Between IL-1\mursY-afi(A>G) Gene Polymorphism and Bronchial Asthma Among Iraqi Patients

# محل انتشار:

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### خلاصه مقاله:

Background: Bronchial asthma has a complicated genetic history. Changes in gene expression may be caused by gene polymorphism, cytokines play a central role. IL-1\mathbb is an interleukin that has been shown to play a role in the disease's immunopathogenesis. The current study investigated the relationship between rsYouFl of the IL-1\mathbb{T} gene and Bronchial asthma in Iraqi patients. Methods: Seventy-five patient and fifty healthy individuals as a control. The DNA was extracted from blood samples. Detection of genotype IL-1\mathbb{NP} (rsY-\Delta\mathbb{F}1) were achieved by RFLP-PCR. Results: indicated a highly significant the levels of the IgE, and IL-1™ in the patients compared to control at (p value≤ o.o1), (۴Δ۶.۴Δ±Υ٩٠.١٠۶ vs. ٣٠.٠٨±Υ۴.۴۱۴), (Δ٩.Δ٩Λ٠±Υ٠.٩٣ΥΔ٠ vs.۶.Υ٠٣۴±۴.١٠Δ۴Υ) pg/ml respectively. Result shows no significant differences in the frequency distributions of IL-14 SNP (rsY-۵F1) for all genotypes in cases and controls. A protective role of asthma, (OR: o.۶۲; CI.٩۵%: o.۲۳ - ۱.۶) and (OR o.۸۹; CI.٩۵%:o.۴۲ - ۱.۸۹) were observed for wild type homozygous and heterozygous genotype respectively. Whereas the AA genotype (FY.Y%) in cases and (FF.O%) in control, that (OR:). FF; CI.96%:( 0.59 - W.oy) mutant homozygous were risk factors of asthma among individuals. The genotypes of IL-۱۳ rs۲۰۵۴۱ (GG, AG, AA) among patients and controls were significantly correlated with IgE and IL-۱۳ results at (p≤ o.oa). Conclusions: AA genotype in case and control mutant homozygous were risk factors of .asthma among individuals. It's possible that this has a predisposing impact on the development of asthma

**کلمات کلیدی:** Bronchial Asthma, RFLP, IL-۱۳, SNP

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