

عنوان مقاله:

Lack of Correlation Between the CCR5-D32 Mutation and Acute Myeloid Leukemia in Iranian Patients

محل انتشار:

پنجمین کنگره کشوری کمیته تحقیقات دانشجویی دانشگاه علوم پزشکی رفسنجان (سال: 1398)

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خلاصه مقاله:

Introduction: Chemokines and their receptors are crucially important in the pathogenesis of acute myeloblastic leukemia AML . The CC chemokine receptor 5 CCR5 is a specific chemokine receptor for CC chemokine ligand 3 CCL3 , CCL4 and CCL5 which all play key roles in identifying cancer properties and localization of leukemia cells. It has been demonstrated that the known mutation in CCR5 gene CCR5-D32 leads to mal-expression of the .receptor and affect its function **Purpose:** The aim of this study was to determine the rate of CCR5-D32 mutation within Iranian AML patients **Materials and Methods:** In this study, blood samples were obtained from 60 AML patients and 300 healthy controls. The CCR5-D32 mutation was evaluated using Gap-PCR technique **Results:** Our results showed that CCR5-D32 mutation was not found in the patients, while three out of the controls had heterozygotic form of this mutation. The rest of studied samples had the wild form of the gene **Conclusion:** According to these findings, it can probably be concluded that the CCR5-D32 is .not associated with susceptibility to AML in Iranian patients

کلمات کلیدی:

CCR5-D32 mutation, Acute myeloblastic, leukemia, Chemokine

لینک ثابت مقاله در پایگاه سیویلیکا:

