

عنوان مقاله:

(Frequency of FLT₃ ITD and FLT₃ TKD Mutations in Multiple Myeloma Patients (A Case Control Study

محل انتشار:

مجله بین المللی آزمایشگاه پزشکی، دوره 2، شماره 1 (سال: 1394)

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خلاصه مقاله:

Background and Aims: Multiple myeloma is a malignant proliferation of plasma cells derived from a single clone. The tumor, its products and the host response lead to organ damages. Some factors that are responsible in its pathogenesis are recognized. As FMS like Tyrosine Kinase γ receptor (FLT₃) mutation has been proved as a determining factor in leukemic patients the goal of this study was to find association of FLT₃ internal tandem duplication (ITD) and FLT₃ tyrosine kinase domain (TKD), mutations with multiple myeloma. **Materials and Methods:** This case-control study was conducted on 60 paraffin-embedded bone marrow biopsies (30 multiple myeloma and 30 normal bone marrow specimens) in the pathology departments of Ghaem and Imam Reza hospitals in Mashhad. After sections preparation, DNA was extracted and two PCR reactions were set up for detection of FLT₃/ITD and FLT₃/TKD mutations. **Results:** The Mean age of samples was 64±10 years. No FLT₃ mutations were detected in multiple myeloma patients. **Conclusions:** Our findings showed that FLT₃ mutations occurrence seem unusual in multiple myeloma.

کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

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